



Florida Department of Environmental Protection

Northwest District Office
160 Governmental Center, Suite 308
Pensacola, Florida 32502-5794

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

RECEIVED

MAY 12 2008

ENVIRONMENTAL MANAGEMENT
OFFICE

WETLAND RESOURCE PERMIT

PERMITTEE/AUTHORIZED ENTITY:

Florida Department of Transportation
Attn: Joy Giddens
1074 Highway 90
Chipley, FL 32428

Permit/Authorization Number:

17-0281915-001-DF
Date of Issue: May 7, 2008
Expiration Date: May 7, 2013

County: Escambia
Project: Perdido River Bridge
reconstruction

This permit is issued under the authority of Part IV of Chapter 373, F.S., and Title 62, Florida Administrative Code (F.A.C.). The activity is not exempt from the requirement to obtain a Wetland Resource Permit. The Department is responsible for reviewing and taking final agency action on this activity.

This permit also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Management Act.

A copy of this authorization also has been sent to the U.S. Army Corps of Engineers (USACOE) for review. The USACOE may require a separate permit. Failure to obtain this authorization prior to construction could subject you to enforcement action by that agency. You are hereby advised that authorizations also may be required by other federal, state, and local entities. This authorization does not relieve you from the requirements to obtain all other required permits and authorizations.

The above named permittee is hereby authorized to construct the work shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof. **This permit to use sovereign submerged lands is subject to the limits, conditions, and locations of work shown in the attached drawings, and is also subject to the attached 15 General Conditions and 24 Specific Conditions, which are a binding part of this permit.** You are advised to read and understand these drawings and conditions prior to



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ENVIRONMENTAL MANAGEMENT
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May 7, 2008

Florida Department of Transportation
Attn: Joy Giddens
1074 Highway 90
Chipley, FL 32428

Dear Ms. Giddens:

Enclosed is Wetland Resource Permit, No. 17-0281915-001-DF, issued pursuant to Part IV of Chapter 373, Florida Statutes, and Title 62, Florida Administrative Code.

If you have any questions about this document, please contact me at (850) 595-8300 ext. 1134.

Sincerely,

Andy Joslyn
Environmental Supervisor
Submerged Lands and
Environmental Resources Program

commencing the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings. If you are utilizing a contractor, the contractor also should read and understand these drawings and conditions prior to commencing the authorized activities. Failure to comply with all drawings and conditions shall constitute grounds for revocation of the permit and appropriate enforcement action.

ACTIVITY DESCRIPTION:

The proposed bridge reconstruction calls for the design and construction of a new bridge and approaches on the south side of the existing facility. The necessary additional right-of-way has been obtained.

The total area of wetland within the project right-of-way in the State of Florida is 6.3 acres in size. The proposed bridge replacement will permanently fill 3.2 acres of wetlands and temporarily impact (cleared and/or temporarily filled for construction access) 1.7 acres of DEP wetlands. Unavoidable wetland impacts will be mitigated for in accordance with Florida Statute, Chapter 373.4137.

ACTIVITY LOCATION:

The proposed project limits extend along SR 10 (US 90) approximately three tenths of a mile west of the Florida / Alabama State Line (MP -0.30) to Ruby's Fish Camp Road (MP 0.307), Perdido River, Pensacola, Class III Waters of the State, Prohibited Shellfish Harvesting Area, Section 10, Township 1-south, Range 32-west, Latitude 30° 31' 20"N, Longitude 87° 26' 42"W, Escambia County.

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

- a. Have access to and copy any records that must be kept under conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

- c. Sample or monitor any substances or parameters at any location reasonable necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. A description of and cause of noncompliance; and
- b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages that may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

11. This permit is transferable only upon Department approval in accordance with rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the Department approves the transfer.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500).
14. The permittee shall comply with the following:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - c. Records of monitoring information shall include:
 1. the date, exact place, and time of sampling or measurements;
 2. the person responsible for performing the sampling or measurements;
 3. the dates analyses were performed;
 4. the person responsible for performing the analyses;
 5. the analytical techniques or methods used; and
 6. the results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law that is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SPECIFIC CONDITIONS:

1. At no time shall construction material of any type be discharged to wetlands or other surface waters outside the limits of the permitted impact areas.
2. The applicant shall be responsible for obtaining all necessary right-of-way authorizations and property access authorizations prior to the commencement of the proposed work.
3. If during the progress of this project prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures or early colonial or American settlement are encountered at any time within the project site area, the permitted project should cease all activities involving subsurface disturbance in the immediate vicinity of such discoveries. The permittee, or their designee, shall contact the Florida Department of State, Division of Historical Resources, Review and Compliance Section at (850) 245-6333 or (800) 847-7278, as well as the appropriate pitting agency office. Project activities should not resume without verbal and/or written authorization from the Division of Historical Resources. In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with Section Chapter 872.05, Florida Statutes.
4. At least 48 hours prior to commencement of work authorized by this permit, the permittee shall notify the Department of Environmental Protection, Submerged Lands & Environmental Resources Program, Compliance and Enforcement Section, Suite 202, Northwest District Office, 160 Governmental Center, Pensacola, Florida 32501-5794, in writing. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (850) 595-8300 during normal working hours.
5. Prior to construction, the limits of the proposed fill areas shall be clearly flagged and/or staked particularly in areas adjacent to remaining natural wetlands. All construction personnel shall be shown the location(s) of all wetland areas outside of the construction area so as to prevent encroachment from heavy equipment into these areas.
6. If the approved permit drawings conflict with the specific conditions, then the specific conditions shall prevail.

7. All storage or stockpiling of tools or materials (construction materials, pilings, etc.) shall be limited to uplands or within the impact areas authorized by this project. All cleared vegetation, excess material, trash, garbage and any other type of debris shall be removed from wetlands/waters of the state within 14 days of completion of that section of work authorized in this permit.

8. All stockpiled fill material to be used in future construction activities of the project shall be maintained and stabilized in such a manner as to prevent possible erosion or turbid discharges into wetlands or open waters following rain events. Methods of stabilization shall include, but are not limited to the use of staked hay bales, staked filter cloth, sodding, seeding, and mulching; staged construction; and the installation of turbidity screens around the immediate stockpiled fill area.

9. The Permittee shall be responsible for ensuring that turbidity levels do not exceed background levels. The following measures shall be taken by the permittee whenever turbidity levels within the waters of the State exceed background.

a. Immediately cease all work contributing to the water quality violation.

b. Modify the work procedures that were responsible for the violation, install floating turbidity screens with weighted skirts that extend within 1 ft. of the bottom around each piling or pile group. The screen shall remain in place for the duration of the procedure causing turbidity levels to exceed permitted values.

c. Alternative turbidity control methods may be employed provided these methods maintain turbidity levels within permitted levels.

d. Turbidity control devices shall be maintained in good working order as necessary so that there are no violations of state water quality standards.

e. Notify the Bureau of Submerged Lands and Environmental Resources, Compliance and Enforcement Section within 24 hours of the time the violation is first detected.

10. The project shall at all times comply with applicable State Water Quality Standards, namely:

62-302.500 -Minimum Criteria for All Waters at All Times and All Places;

62-302.510 - Minimum Criteria for all Surface Waters; and
62-302.700 - Special Protection - Outstanding Florida Waters, Outstanding National Resource Waters

11. All wetland areas or water bodies outside the specific limits of construction authorized by this permit must be protected from erosion, siltation, scouring and/or dewatering. Turbidity barriers/erosion control devices shall be installed prior to any excavation or placement of fill material and shall be maintained in effective condition at all locations and at all times until construction is completed and disturbed areas are stabilized. Thereafter, the permittee must remove the barriers. At no time shall there be any discharge in violation of the water quality standards in 62-302 F.A.C.

Turbidity/erosion controls shall be installed prior to any clearing, excavation or placement of fill material and shall be maintained in an effective condition at all locations until construction is completed, disturbed areas are stabilized, and turbidity levels have fallen to less than ambient background. The permittee shall be responsible for ensuring that erosion control devices/procedures are inspected/maintained daily during all phases of construction authorized by this permit. Once these conditions are met, the turbidity and erosion control devices shall be removed within 14 days. Staked filter cloth shall be positioned at the edge of the permitted fill slopes where they are adjacent to wetlands in order to prevent turbid run-off and erosion.

12. Any damage to wetlands/littoral zone area as a result of construction work shall be restored to pre-construction elevations and then replanted with vegetation of the size, density, and species that exist in the adjacent areas. The restoration shall be completed within 30 days of completion of the bridge construction.

13. The permittee and its contractors shall adhere to the standard specifications for prevention, control and abatement of erosion and water pollution, as stated in Section 104 of the Florida Department of Transportation - Standard Specifications for Road and Bridge Construction, and to any stricter standards as required in these Specific Conditions.

14. Best management practices for controlling erosion and turbidity, including but not limited to the use of staked hay bales, turbidity curtains, and staked filter cloth, shall be utilized and maintained at all times during project construction to prevent erosion, sedimentation and the discharge of turbid water into wetlands and other waters of the State outside of the authorized areas of impact. These erosion and turbidity control devices shall be maintained until post-construction stabilization has been achieved in the area.

15. The permittee shall assign a qualified environmental scientist(s), who is independent of the construction contractors, to be responsible for oversight and quality assurance of the construction contractors inspections of the erosion and turbidity control devices, for overseeing turbidity monitoring, for keeping a inspection log, and for ensuring that the effectiveness of each erosion and turbidity control device is maintained at all times until post-construction turbidity levels in open water are at ambient levels and vegetative stabilization is achieved on land. The inspection log will be prepared in accordance with FDOT Standard Specifications and forms. The inspection log shall note the date that the control devices were installed, the type of devices, occurrence of precipitation, adequacy of devices, turbidity levels, corrective or maintenance measures required, and the date that the devices were removed. Turbidity monitoring shall be conducted as specified in the **MONITORING REQUIRED** section of this permit. The log shall be kept up to date, shall be made available upon the Department's request, and shall be submitted to the Northwest District Wetland Resources Program, Compliance-Enforcement Section with the final semiannual narrative report. The name, address, phone number, and qualifications of the environmental scientist(s) shall be indicated in the construction commencement notice and the semi-annual narrative reports.

16. If dewatering is necessary for any construction activities associated with this project, it shall be accomplished by pumping the water into functional, upland detention ponds. The capacity of the ponds and the management of pumping rates and discharges shall be adequate to control turbidity such that the turbidity level of the effluent is less than 29 NTUs above ambient levels.

17. No lead-based paint shall be used on the bridges associated with this project. Additionally, no hazardous materials used in association with this project shall be stored within or over the limits of the Department's jurisdiction.

18. Fueling of barge mounted equipment, for example, cranes, compressors, etc. will be from double-walled fuel tanks transported and loaded onto the barge that supports the equipment to be fueled. No refueling will occur across open water.

19. Construction debris shall not be discarded into open waters or wetlands. For that portion of the material that is suitable for artificial reef deployment, the material must first meet the criteria of the Escambia County Large Area Artificial reef site and be deployed under the direction of the Escambia County Marine Resources Division. That

portion of the construction debris not suitable for deployment to artificial reef sites shall be disposed of in an approved solid waste disposal site.

20. There shall be no discharge of oil, greases, solid waste or construction debris in Escambia Bay from any activity associated with this project.

21. The contractor(s) shall make portable toilets available at the bridge construction site and, if possible, on construction barges. The portable toilets are to be serviced on a regular basis and at no time shall the contents be released into the Perdido River or other waters of the State.

22. Unavoidable wetland impacts shall be mitigated for in accordance with Florida Statute, Chapter 373.4137.

MONITORING REQUIRED

23. Turbidity- During installation of the first bridge piling and removal of the first existing bridge piling, turbidity samples shall be taken at 25, 50 and 100 foot distances upstream and downstream from the piling at top, mid and bottom (one foot above bottom) elevations. If test results indicate turbidity levels below state standards then additional sampling will not be required. If, however, the methodology for piling installation or removal changes then additional monitoring may be required depending on the specific method of construction.

REPORTING

24. Semi-annual narrative reports shall be submitted by the Permittee or the designated responsible party to the DEP Northwest District Office at the address on the letterhead of this permit. The reports shall indicate the status of the project and shall include the following information:

a. Brief description and extent of work (dredging, filling, construction, etc.) completed since the previous report or since permit was issued. Indicate on copies of the permit drawings those areas where work has been completed.

b. Brief description and extent of work (dredging, construction, planting, etc.) anticipated in the next six months. Indicate on copies of the permit drawings those areas anticipated that work will be done.

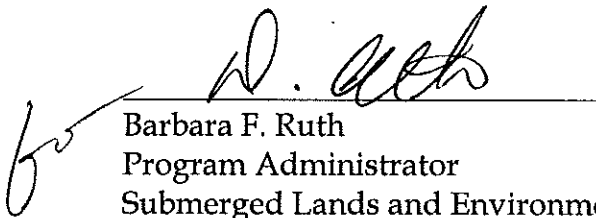
Permittee: Florida Department of Transportation
Perdido River Bridge Replacement
File No.: 17-0281915-001-DF
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c. Brief description of problems encountered and how those problems were resolved.

The first semi-annual report is due six months from the date of permit issuance. The last status report shall be submitted within 30 days after the completion of the construction activities authorized by his permit.

Executed in Escambia County Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Barbara F. Ruth
Program Administrator
Submerged Lands and Environmental
Resource Program

Cc: U.S. Army Corps of Engineers
Thompson Engineering, Agent
Escambia County Property Appraiser

Enclosure: Location Map
Project Drawings

Permittee: Florida Department of Transportation
Perdido River Bridge Replacement
File No.: 17-0281915-001-DF
Page 12 of 12

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this permit including all copies were mailed before the close of business on May 7th, 2008 to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to 120.52(9),
Florida Statutes, with the designated Department Clerk,
receipt of which is hereby acknowledged.

Clerk

Date

Cathy Brewer

May 7th, 2008

Prepared By: Elizabeth Mullins

6 pages attached

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
STRUCTURE PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2-3	SUMMARY OF PLAN ITEMS
4-5	GENERAL NOTES
6-9	TYPICAL SECTION
10-13	SUMMARY OF QUANTITIES
14	SUMMARY OF DRAINAGE STRUCTURES
15	GENERAL MATERIALS TABULATION
16	PLAN SHEET
17-23	PROFILE
24-29	PLAN & PROFILE
30	PLAN VIEW
31-33	DRAINAGE STRUCTURES
34-41	STORMWATER POND SOIL SURVEY
42	POND DETAILS
43-53	GEOSYNTHETIC REINFORCEMENT DETAILS
54-55	ROADWAY SOIL SURVEY
56	ROADWAY PREVENTION PLAN
57-59	STORMWATER POLLUTION PREVENTION PLAN
60	TRAFFIC CONTROL PLAN
61-64	UTILITY ADJUSTMENT SHEET
65-145	WETLAND DELINEATION SHEET
146-152	
153-159	

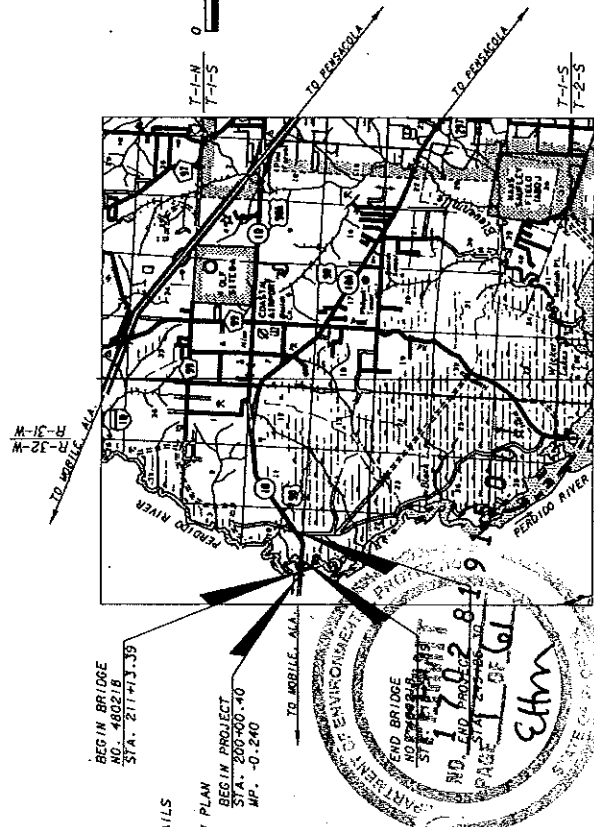
APPLICABLE DESIGN STANDARDS AND SPECIFICATIONS:
FEDERAL SPECIFICATIONS FOR HIGHWAY CONSTRUCTION,
DESIGN STANDARD DATED 2006,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2005,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: D-0-0-0
For Design Standards Modifications click on
"Design Standards" at the following web site:
<http://www.dot.state.fl.us/standards/>

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

CONTRACT PLANS

FINANCIAL PROJECT ID 41118-1-52-01
ESCAMBIA COUNTY, FLORIDA (48010)
BALDWIN COUNTY, ALABAMA
STATE ROAD NO. 10

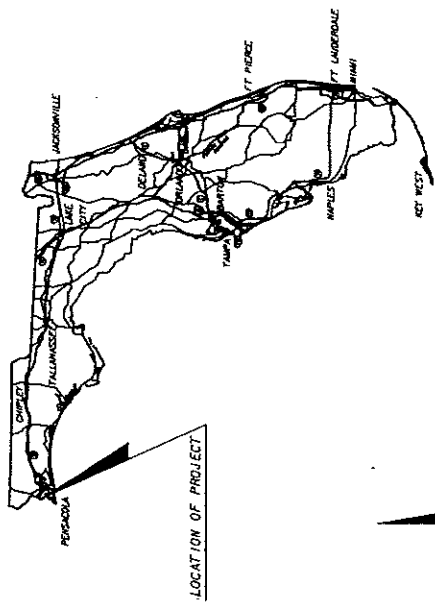
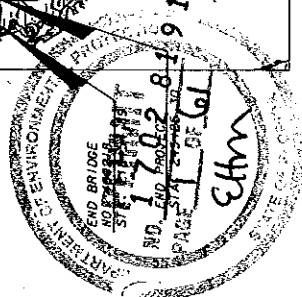


TO MOBILE, ALA.
TO PERDIDO RIVER

TO MOBILE, ALA.
TO PERDIDO RIVER

BEGIN BRIDGE
NO. 480218
STA. 211+73.39

BEGIN PROJECT
STA. 20+00.00
MP. -0.240



LOCATION OF PROJECT

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

Robert A. Valentine P.E.,
c/o American Consulting Engineers of Florida, LLC
4150 Lakeside Dr., Suite 100, Orlando, FL 32839
Phone: (407) 996-2800 Fax: (407) 996-1908

PLANS PREPARED BY:

American
Consulting Engineers of Florida, LLC
3622 Highway 90
Phone: (850) 984-9257 Fax: (850) 984-9884
Orlando, Florida 32839
Contract No. C-8748

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

PROJECT LENGTH IS BASED ON E OF CONSTRUCTION

LENGTH OF PROJECT		LINEAR FEET	MILES
ROADWAY		3783.40	0.716
BRIDGES		741.50	0.140
NET LENGTH OF PROJECT		4524.90	0.856
EXCEPTIONS		4524.90	0.856
GROSS LENGTH OF PROJECT		4524.90	0.856

FOOT PROJECT MANAGER: Bill Howell

DATE	BY	DESCRIPTION

ROADWAY PLAN,
ENGINEER OF RECORD: *Tracy D. Beuchamp, P.E.*

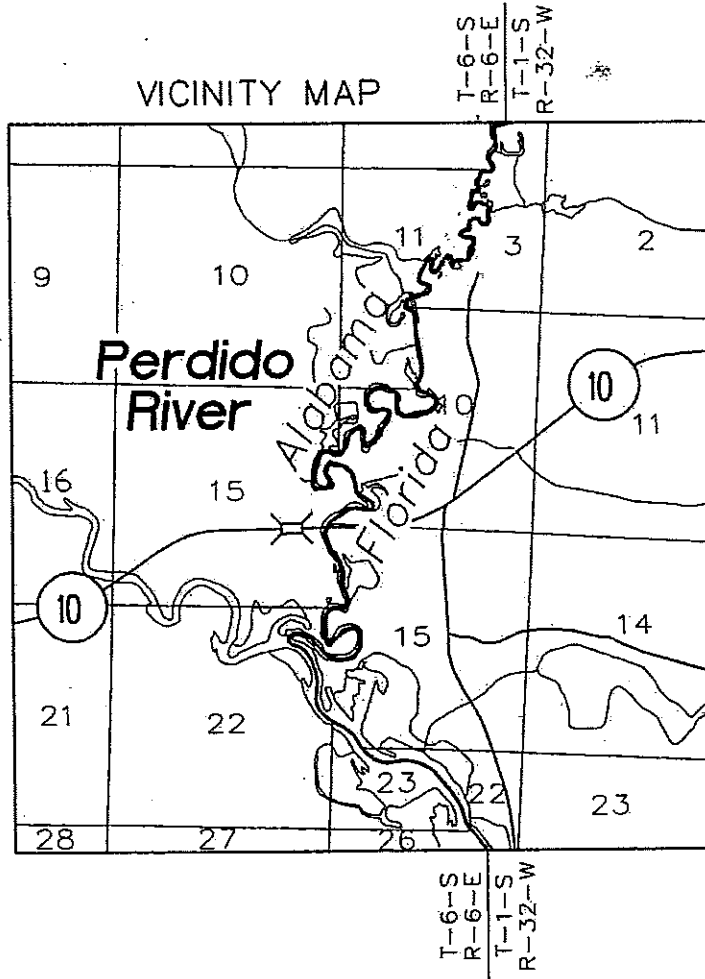
PL: 02-1-0800
Tracy D. Beuchamp
12/21/2008
SHEET NO. 1

SR 10 US 90 over Perdido River Bridge Reopening

DATE: 12/21/2008

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

EASEMENT LOCATION



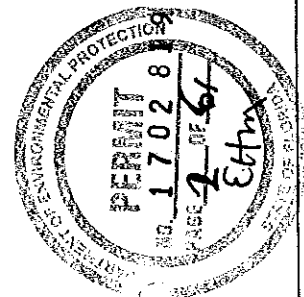
NOT TO SCALE

ROAD RIGHT OF WAY EASEMENT
(SUBMERGED)
U.S.G.S. QUAD: SEMINOLE

PARCEL 800
SECTION: N/A
F.P. NO. 4111181
STATE ROAD 10 AT PERDIDO RIVER
BRIDGE NO. 480001
ESCAMBIA COUNTY

FLORIDA DEPARTMENT OF TRANSPORTATION
PREPARED BY: ALLEN NOBLES & ASSOCIATES, INC.

NOT A FIELD SURVEY



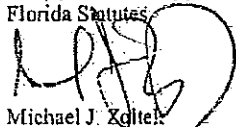
SHEET 1 OF 4

PARCEL 800
F.P. #4111181
SECTION #N/A
STATE ROAD #10
ESCAMBIA COUNTY

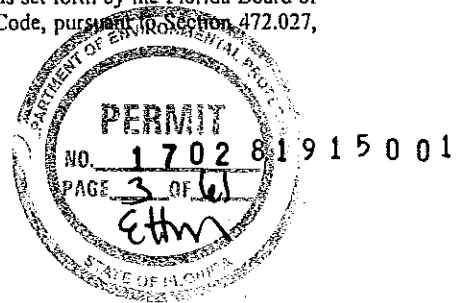
**DESCRIPTION OF LANDS TO BE ACQUIRED AS AN EASEMENT FOR PUBLIC
RIGHT OF WAY OVER PORTIONS OF PERDIDO RIVER FROM THE BOARD OF TRUSTEES OF
THE INTERNAL IMPROVEMENT TRUST FUND**

That part of the Sovereign Lands of the State of Florida, that lie within the following described area; being a portion of Perdido River in Section 10 and Section 15, Township 1 South, Range 32 West, Escambia County, Florida, described as follows: COMMENCE at a nail in an old 2 inch by 2 inch wooden stake being the Southeast Corner of Section 10, Township 1 South, Range 32 West; thence along the south line of said Section 10 go North 87 degrees 38 minutes 54 seconds West a distance of 1943.88 feet to a 4 inch by 4 inch concrete monument with disc stamped "BDI INC PLS CORP 0340"; thence continue along said south line of Section 10 North 87 degrees 38 minutes 54 seconds West a distance of 2793.34 feet to a point on the easterly Lower Edge of Upland Mature Vegetation Line (L.E.U.M.V.L.) of said Perdido River, also being the POINT OF BEGINNING; thence departing said south line of Section 10, run southerly along said L.E.U.M.V.L. as follows: South 31 degrees 32 minutes 17 seconds West a distance of 6.86 feet; thence South 39 degrees 02 minutes 31 seconds West a distance of 22.03 feet to the centerline of State Road 10 (U.S. Highway 90); thence continuing southerly along said L.E.U.M.V.L. as follows: South 39 degrees 02 minutes 31 seconds West a distance of 38.64 feet; thence South 23 degrees 45 minutes 17 seconds West a distance of 65.44 feet; thence South 11 degrees 23 minutes 39 seconds West a distance of 57.21 feet; thence South 03 minutes 22 minutes 38 seconds East a distance of 55.23 feet to a point on the southerly Right-of-Way line of said State Road 10 as depicted on Florida Department of Transportation Right-of-Way Map of State Road 10, Job #4801-105, Section 4801, Dated 2-13-1946, Sheet 1 of 1; thence along said southerly Right of Way line as follows: South 88 degrees 56 minutes 16 seconds West a distance of 79.69 feet; thence North 01 degrees 03 minutes 44 seconds West a distance of 100.00 feet; thence South 88 degrees 56 minutes 16 seconds West a distance of 30.24 feet to the intersection of said Right-of-Way line and the thread of the Perdido River, said thread also being the Florida State Line; thence departing said Right-of-Way line, run northerly along said Florida State Line as follows: North 02 degrees 33 minutes 03 seconds East a distance of 61.71 feet; thence North 14 degrees 54 minutes 55 seconds East a distance of 39.96 feet to a point on the centerline of said State Road 10; thence continuing northerly along said Florida State Line as follows: North 14 degrees 54 minutes 55 seconds East a distance of 21.54 feet; thence North 00 degrees 49 minutes 43 seconds East a distance of 12.02 feet to a point on the southerly line of said Section 10; thence continuing northerly along said Florida State Line as follows: North 00 degrees 49 minutes 43 seconds East a distance of 37.78 feet; thence North 19 degrees 15 minutes 16 seconds East a distance of 22.77 feet; thence North 40 degrees 34 minutes 53 seconds East a distance of 34.51 feet; thence North 48 degrees 19 minutes 24 seconds East a distance of 31.96 feet; thence North 55 degrees 16 minutes 29 seconds East a distance of 118.90 feet to a point on the northerly Right-of-Way of said State Road 10 as depicted on Florida Department of Transportation Right-of-Way Map of State Road 10, Job #4801-105, Section 4801, Dated 2-13-1946, Sheet 1 of 1; thence departing said Florida State Line and along said northerly Right-of-Way, run South 88 degrees 03 minutes 44 seconds East a distance of 178.59 feet to a point on said easterly L.E.U.M.V.L.; thence southerly along said L.E.U.M.V.L. as follows: South 38 degrees 13 minutes 34 seconds West a distance of 131.81 feet; thence South 61 degrees 01 minutes 13 seconds West a distance of 61.86 feet; thence South 31 degrees 32 minutes 17 seconds West a distance of 49.11 feet to the POINT OF BEGINNING, containing 1.440 acres, more or less.

I hereby certify that this description meets the Minimum Technical Standards as set forth by the Florida Board of Surveyors and Mappers in Chapter 61G-17-6.006(1), Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.



Michael J. Zeltel
Professional Surveyor and Mapper
Florida Certificate Number 5751
Florida Licensed Business Number 3293
Allen Nobles & Associates, Inc.
312 Government Avenue, Suite 1
Niceville, Florida 32578



NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

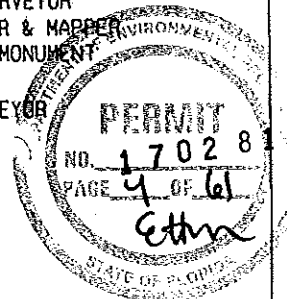
GENERAL NOTES

1. ALL BEARINGS SHOWN HEREON ARE GRID BASED ON STATE PLANE COORDINATES, NORTH FLORIDA ZONE, LAMBERT PROJECTION, NORTH AMERICAN DATUM 1983 / 1999 AS DERIVED FROM STATIONS ESC 4069 AND ESC 4070.
2. THE LOCATION OF THE L.E.U.M.V.L. IN NO WAY REPRESENTS AN ACCURATE LOCATION OF THE ACTUAL ORDINARY HIGH WATER LINE THIS LINE IS NOT INTENDED TO BE THE LEGAL BOUNDARY BETWEEN PRIVATE AND STATE OWNERSHIP.
3. NO ENCROACHMENTS WERE FOUND WITHIN THE PROPOSED EASEMENT, EXCEPT AS SHOWN.
4. ATTENTION IS DIRECTED TO THE FACT THAT THESE SKETCHES MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN SCALING DATA.
5. UNLESS OTHERWISE SHOWN, ALL DATA NOTED AS (F) HAS BEEN CALCULATED FROM A CLOSED FIELD TRAVERSE OR DIRECT FIELD MEASUREMENT.
6. ONLY FIXED IMPROVEMENTS PERTINENT TO THE PARCELS TO BE ACQUIRED ARE SHOWN. FIXED INTERIOR IMPROVEMENTS NOT LOCATED.
7. NOT A FIELD SURVEY.

LEGEND

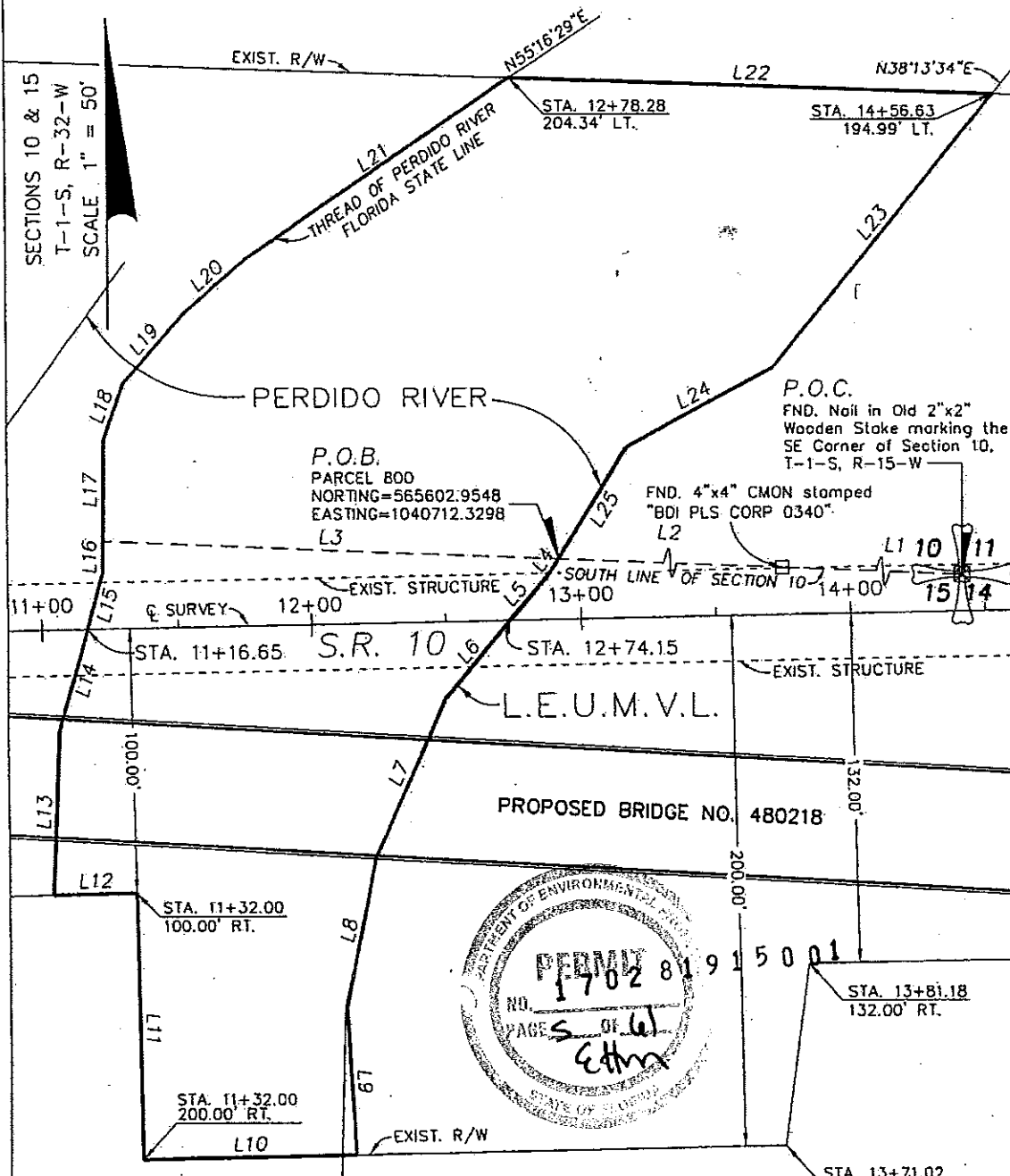
NOT ALL ABBREVIATIONS ARE USED HEREON.

&	• AND	NO. ; #	• NUMBER
.	• BASELINE	N.T.S.	• NOT TO SCALE
B.O.S.	• BEGINNING OF SURVEY	NW	• NORTHWEST
*	• CENTERLINE	PG.	• PAGE
(C)	• COMPUTED	P.I.	• POINT OF INTERSECTION
CH	• CHORD	P.L.S.	• PROFESSIONAL LAND SURVEYOR
CHB	• CHORD BEARING	P.S.M.	• PROFESSIONAL SURVEYOR & MAPPER
C.R.	• COUNTY ROAD	P.R.M.	• PERMANENT REFERENCE MONUMENT
CONC.	• CONCRETE	R	• RADIUS
CORP.	• CORPORATION	R.L.S.	• REGISTERED LAND SURVEYOR
CONST.	• CONSTRUCTION	R - E	• RANGE EAST
D	• DEGREE OF CURVE	R - W	• RANGE WEST
Δ	• DELTA	RT.	• RIGHT
E	• EAST	R/W	• RIGHT OF WAY
E.O.S.	• END OF SURVEY	S	• SOUTH
EXIST.	• EXISTING	SE	• SOUTHEAST
(F)	• FIELD MEASUREMENT	S.R.	• STATE ROAD
F.A.P.	• FEDERAL AID PROJECT	STA.	• STATION
F.D.O.T	• FLORIDA DEPARTMENT OF TRANSPORTATION	ST.	• STREET
FL.	• FLORIDA	L.E.U.M.V.L.	• LOWER EDGE OF UPLAND MATURE VEGETATION LINE
FND.	• FOUND	SW	• SOUTHWEST
F.P., FP	• FINANCIAL PROJECT	T.	• TANGENT OR TOWNSHIP
HWY.	• HIGHWAY	T - N	• TOWNSHIP NORTH
I.D.	• IDENTIFICATION	T - S	• TOWNSHIP SOUTH
INC.	• INCORPORATED	U.S.	• UNITED STATES
L	• LENGTH OF CURVE	W	• WEST
LB	• LICENSED BUSINESS	W/	• WITH
L.S.	• LICENSED SURVEYOR	W.P.I.	• WORK PROGRAM ITEM
LT.	• LEFT	.	• DEGREES
MAINT.	• MAINTAINED	.	• SECONDS, INCHES
MK.	• MARK	.	• MINUTES, FEET
MON.	• MONUMENT		
N	• NORTH		
NA, N/A	• NOT APPLICABLE		
NE	• NORTHEAST		



DATE: 01-03-07
 F.P. 411181
 S.R. 10
 AT PERDIDO RIVER
 BRIDGE 480001
 SHEET 3 OF 4

NOT A FIELD SURVEY

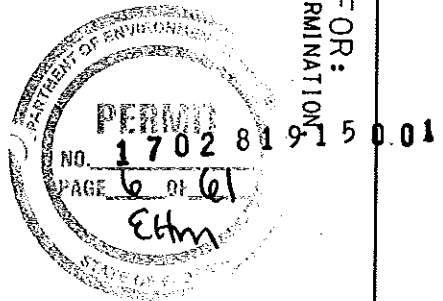


LINE	BEARING	DISTANCE
L1	N87°38'54"W	1943.88'
L2	N87°38'54"E	2793.34'
L3	S87°38'54"E	169.37'
L4	S31°32'17"W	6.86'
L5	S39°02'31"W	22.03'
L6	S39°02'31"W	38.64'
L7	S23°45'17"W	65.44'
L8	S11°23'39"W	57.21'
L9	S03°22'38"E	55.23'
L10	S88°56'16"W	79.69'
L11	N01°03'44"W	100.00'
L12	S88°56'16"W	30.24'
L13	N02°33'03"E	61.71'

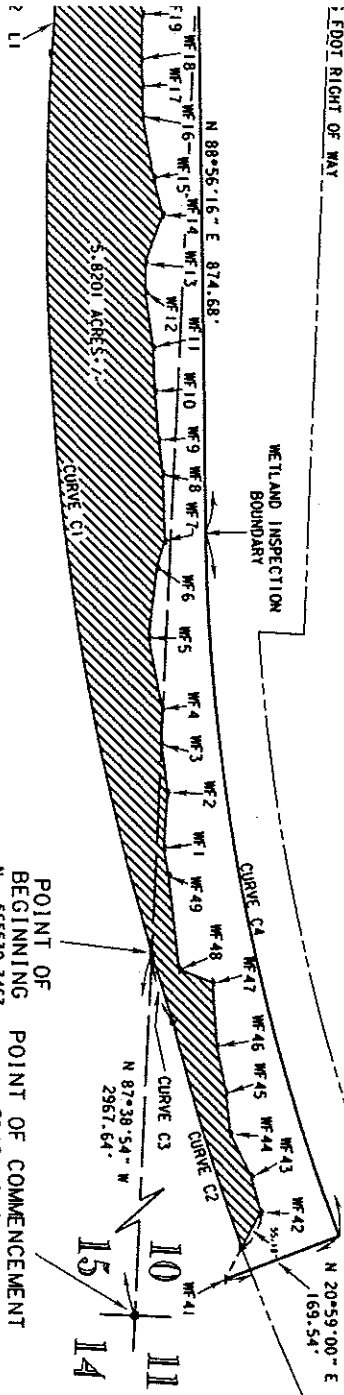
LINE	BEARING	DISTANCE
L14	N14°54'55"E	39.96'
L15	N14°54'55"E	21.54'
L16	N00°49'43"E	12.02'
L17	N00°49'43"E	37.78'
L18	N19°15'16"E	22.77'
L19	N40°34'53"E	34.51'
L20	N48°19'24"E	31.96'
L21	N55°16'29"E	118.90'
L22	S88°03'44"E	178.59'
L23	S38°13'34"W	131.81'
L24	S61°01'13"W	61.86'
L25	S31°32'17"W	49.11'

DATE: 01-03-07
F.P. 411181
S.R. 10
AT PERDIDO RIVER
BRIDGE#480001
SHEET 4 OF 4

JURISDICTIONAL WETLAND BOUNDARIES FOR:
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 SR 10 BRIDGE REPLACEMENT, FD-17-02272700-001,
 IN PARTS OF FRACTIONAL SECTIONS 10 AND 15,
 TOWNSHIP 1 SOUTH, RANGE 32 WEST,
 ESCAMBIA COUNTY, FLORIDA



SCALE
 1" = 200'



POINT OF BEGINNING
 N . 565530.3463
 E . 1042480.4224
 LAT 30°31'19.895454
 LON 87°25'28.465471

POINT OF COMMENCEMENT
 FOUND NAIL IN
 SUBMERGED 2'-POST
 THE NE CORNER OF
 FRACTIONAL SECTION 15
 T-1-S, R-32-W
 ESCAMBIA COUNTY, FLORIDA
 N . 565408.5800
 E . 1045345.5600
 LAT 30°31'19.446419
 LON 87°25'54.540115

NO.	DATE

CLIENT NAME:
 FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

PROJECT NAME:
 FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 FORMAL LAND DETERMINATION, SR 10 BRIDGE REPLACEMENT,
 FD-17-02272700-001, ESCAMBIA COUNTY, FLORIDA

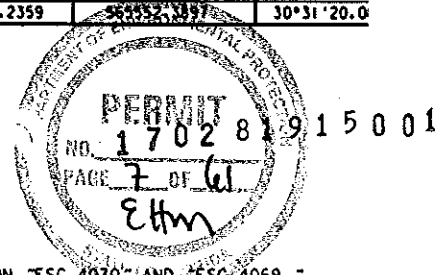
Allen Nobles & Associates, Inc.
 TALLAHASSEE • OPHLEY • INCEVILLE • PENSACOLA • VALDOSTA, GA.
 PROFESSIONAL LAND SURVEYING, MAPPING AND CIVIL ENGINEERING
 294 FORD AVENUE, TALLAHASSEE, FLORIDA 32304
 TEL: 904-225-1155 FAX: 904-225-1142

COPYRIGHT 2001, ALLEN NOBLES & ASSOCIATES, INC.

LINE TABLE		
LINE	BEARING	DISTANCE
LINE L1	N 86°32'44" W	101.59'
LINE L2	S 03°27'16" W	15.00'
LINE L3	N 86°32'44" W	112.56'
LINE L4	S 89°01'16" W	225.89'
LINE L5	S 88°56'16" W	239.03'
LINE L6	N 01°03'44" W	45.42'
LINE L7	N 84°53'32" W	48.68'
LINE L8	N 12°43'20" W	19.99'
LINE L9	N 03°24'07" E	48.37'
LINE L10	N 11°38'07" E	39.02'
LINE L11	N 23°47'57" E	28.76'
LINE L12	N 88°55'22" E	499.98'
LINE L13	S 00°00'00" E	8.93'
LINE L14	N 03°22'39" W	55.23'
LINE L15	N 11°23'40" E	57.21'
LINE L16	N 23°45'16" E	65.44'
LINE L17	N 39°02'32" E	15.96'
WF23 TO WF22	S 16°22'00" E	29.38'
WF22 TO WF21	S 49°15'27" E	50.19'
WF21 TO WF20	S 84°27'23" E	34.79'
WF20 TO WF19	N 78°21'57" E	77.38'
WF19 TO WF18	S 88°47'21" E	62.76'
WF18 TO WF17	N 87°03'02" E	36.67'
WF17 TO WF16	N 89°53'49" E	42.20'
WF16 TO WF15	N 79°20'19" E	87.07'
WF15 TO WF14	N 76°44'51" E	52.43'
WF14 TO WF13	S 70°38'59" E	70.32'
WF13 TO WF12	N 89°35'02" E	40.48'
WF12 TO WF11	N 82°06'12" E	78.17'
WF11 TO WF10	N 87°13'01" E	60.34'
WF10 TO WF9	N 85°13'36" E	67.56'
WF9 TO WF8	N 82°44'40" E	47.61'
WF8 TO WF7	N 87°54'34" E	92.06'
WF7 TO WF6	S 73°40'37" E	38.30'
WF6 TO WF5	S 83°47'41" E	97.12'
WF5 TO WF4	N 79°29'49" E	100.67'
WF4 TO WF3	S 89°15'12" E	49.29'
WF3 TO WF2	N 82°30'05" E	66.90'
WF2 TO WF1	S 86°24'05" E	76.01'
WF1 TO WF49	N 80°39'54" E	39.07'
WF49 TO WF48	N 83°11'28" E	131.15'
WF48 TO WF47	N 20°26'54" E	49.31'
WF47 TO WF46	N 86°00'13" E	87.68'
WF46 TO WF45	N 78°18'04" E	66.24'
WF45 TO WF44	N 83°55'21" E	56.33'
WF44 TO WF43	N 63°48'16" E	67.52'
WF43 TO WF42	N 75°17'09" E	51.41'
WF42 TO WF41	S 62°19'05" E	105.42'

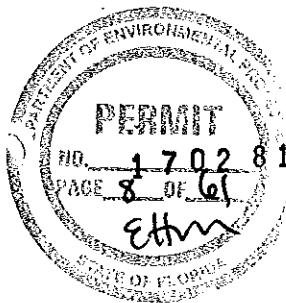
CURVE DATA				
CURVE	Δ	RADIUS	LENGTH	CHOR
CURVE C1	19°58'55"	3610.00'	1258.99'	
CURVE C2	06°16'13"	2996.79'	327.96'	
CURVE C3	01°34'27"	3610.00'	99.18'	
CURVE C4	19°55'12"	2864.79'	996.13'	

COORDINATE DATA TABLE			
FLAG	EASTING (X)	NORTHING (Y)	LATITUDE
WF1	1042334.6870	565546.0530	30°31'20.0
WF2	1042258.8220	565550.8240	30°31'20.0
WF3	1042192.4910	565542.0930	30°31'19.9
WF4	1042143.2042	565542.7353	30°31'19.9
WF5	1042044.2200	565524.3840	30°31'19.7
WF6	1041947.6660	565534.8820	30°31'19.8
WF7	1041910.9140	565545.6450	30°31'19.9
WF8	1041818.9180	565542.2870	30°31'19.8
WF9	1041771.6890	565536.2740	30°31'19.7
WF10	1041704.3640	565530.6520	30°31'19.7
WF11	1041644.0910	565527.7220	30°31'19.6
WF12	1041566.6580	565516.9820	30°31'19.5
WF13	1041526.1840	565516.6880	30°31'19.5
WF14	1041459.8330	565539.9890	30°31'19.7
WF15	1041408.8040	565527.9710	30°31'19.5
WF16	1041323.2380	565511.8630	30°31'19.4
WF17	1041281.0360	565511.7870	30°31'19.4
WF18	1041244.4110	565509.9000	30°31'19.3
WF19	1041181.6680	565511.2260	30°31'19.3
WF20	1041105.8750	565495.6210	30°31'19.2
WF21	1041071.2460	565498.9820	30°31'19.2
WF22	1041033.2220	565531.7370	30°31'19.5
WF23	1041024.9440	565559.9240	30°31'19.8
WF41	1042932.6962	565633.5419	30°31'21.0
WF42	1042839.3468	565682.5138	30°31'21.4
WF43	1042789.6220	565669.4556	30°31'21.3
WF44	1042729.0372	565639.6499	30°31'21.0
WF45	1042673.0192	565633.6855	30°31'20.9
WF46	1042608.1575	565620.2548	30°31'20.8
WF47	1042520.6915	565614.1440	30°31'20.7
WF48	1042503.4636	565567.9390	30°31'20.2
WF49	1042373.2359	565523.8197	30°31'20.0



GENERAL NOTES AND REPORT

1. BEARINGS ARE BASED ON THE GRID BEARING BETWEEN CONTROL STATION "ESC 4070" AND "ESC 4069," IN THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, LAMBERT PROJECTION, NORTH AMERICAN DATUM 83/99. ALL FLORIDA STATE PLANE COORDINATES SHOWN HEREON ARE ENGLISH AND BASED ON THE SAN
2. PRIMARY GEODETIC NETWORK CONTROL WAS ESTABLISHED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION. ALL SECONDARY TRAVERSES PERFORMED BY ALLEN NOBLES & ASSOCIATES ARE BASED ON SAID CONTROL NETWORK.
3. ALL MEASUREMENTS ARE SHOWN IN DECIMAL FEET.
4. THIS SURVEY WAS PERFORMED FOR THE PURPOSE OF LOCATING THE JURISDICTIONAL WETLANDS AND



JURISDICTIONAL WETLAND BOUNDARIES FOR:
 FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FORMAL WETLAND DETERMINATION,
 SR 10 BRIDGE REPLACEMENT, FD-17-0272700-001,
 IN PARTS OF FRACTIONAL SECTIONS 10 AND 15,
 TOWNSHIP 1 SOUTH, RANGE 32 WEST,
 ESCAMBIA COUNTY, FLORIDA



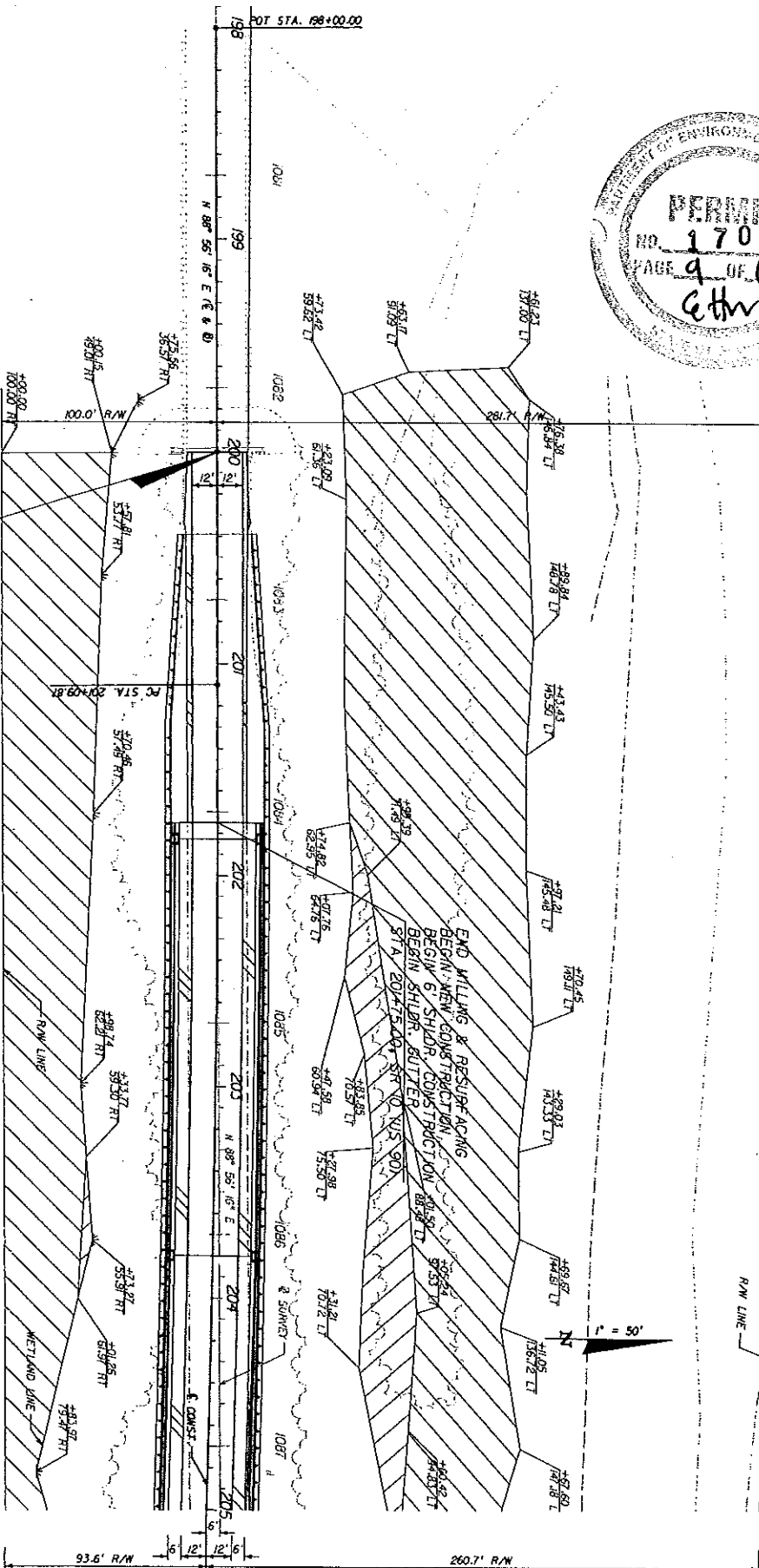
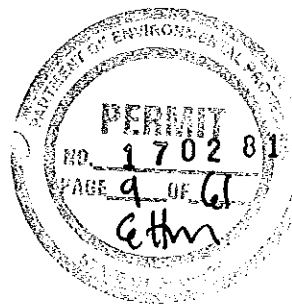
REVISIONS	BY	DATE

CLIENT NAME:
 FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

PROJECT NAME:
 FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 FORMAL WETLAND DETERMINATION, SR 10 BRIDGE REPLACEMENT,
 FD-17-0272700-001, ESCAMBIA COUNTY, FLORIDA

A Allen Nobles
N & Associates, Inc.

TALLAHASSEE • CHRISLEY • MOBILE • PENSACOLA • VALDOSTA, GA.
 PROFESSIONAL LAND SURVEYING, MAPPING AND CIVIL ENGINEERING
 2645 PAUL D. MOSE, TALLAHASSEE, FLORIDA 32308
 (904) 379-1173 FAX (904) 365-1173 ERI 7990



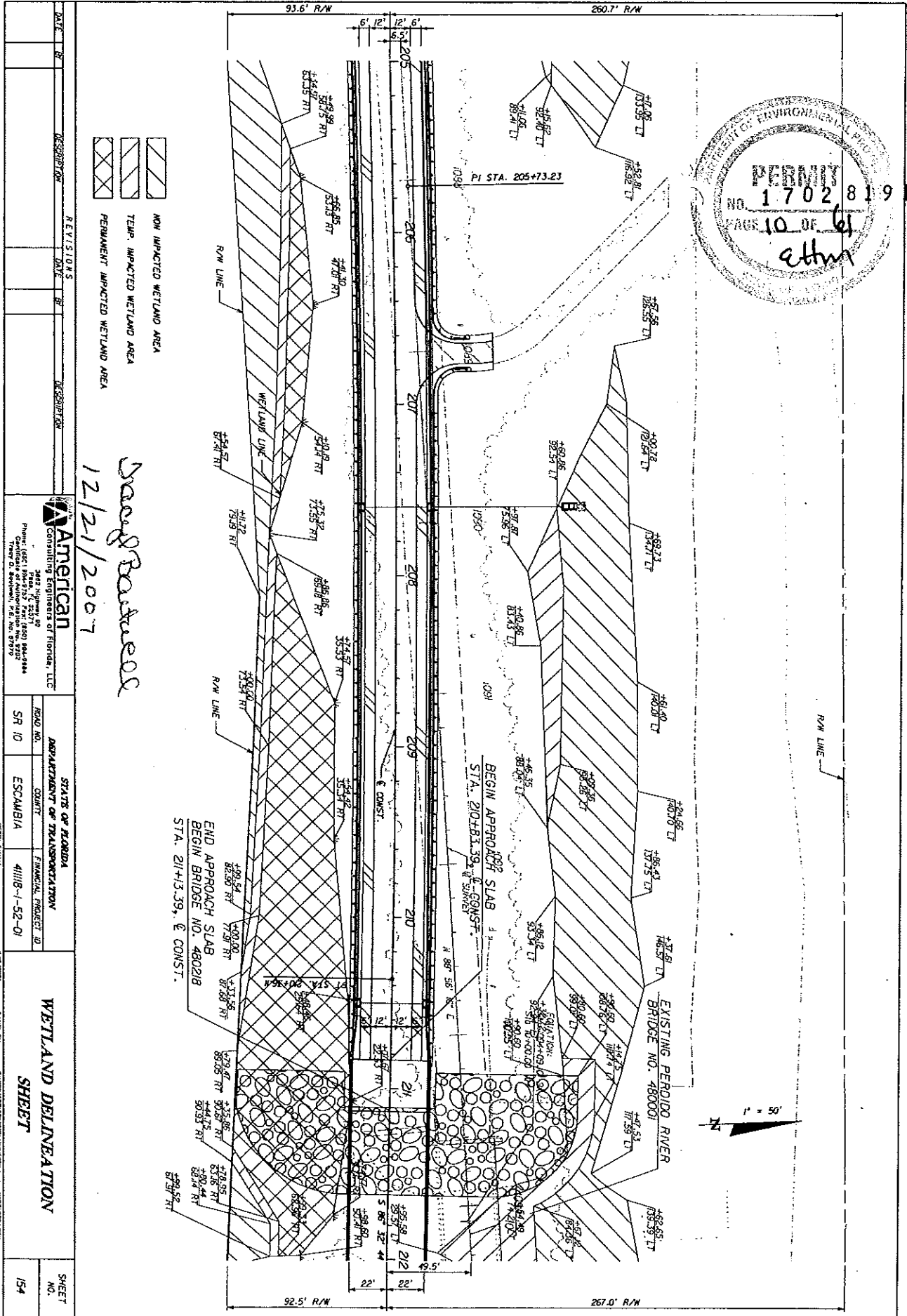
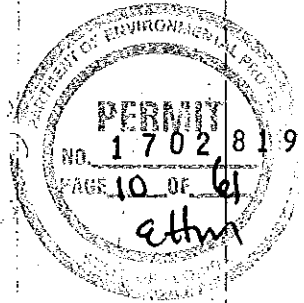
DATE	DESCRIPTION	REVISED	DESCRIPTION
 American Consulting Engineers of Florida, LLC 3442 Highway 90 Suite 7, 22271 Phone: (407) 341-1944 Fax: (407) 341-9444 Certificate of Authorization No. 0002 Tracy O. Redfern, P.E. No. 31703			
STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION	ROAD NO.	SR 10
ESCAMBIA	FINANCIAL PROJECT ID	SR ID	4118-1-52-01
WETLAND DELINEATION SHEET		SHEET NO.	153

Non Impacted Wetland Area
 Temp. Impacted Wetland Area
 Wetland Delineation Sheet

12/21/2007
Sheryl Barber

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 605-23.003, F.A.C.

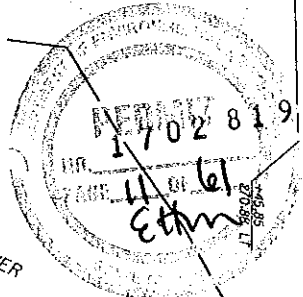
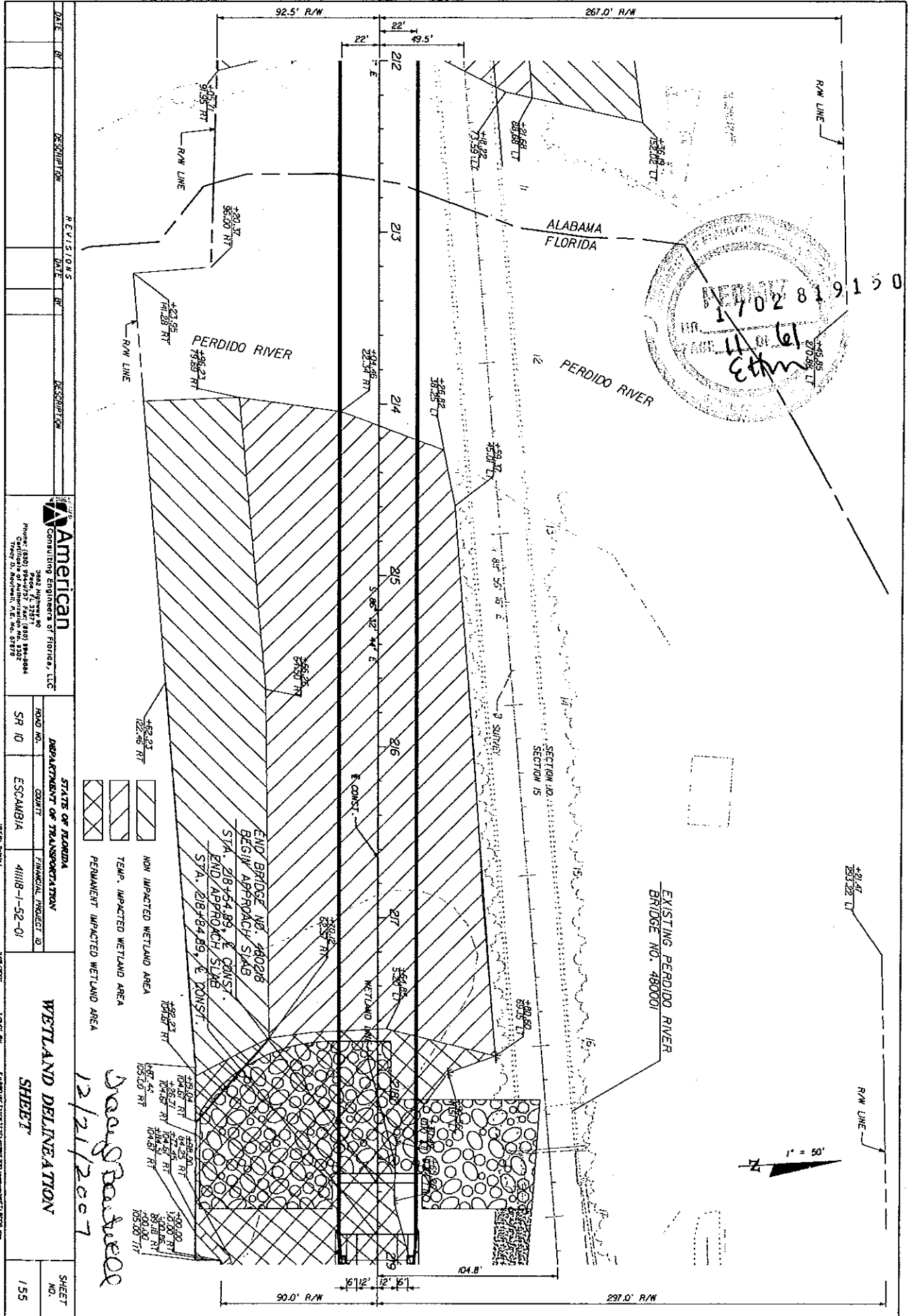
5001



David R. Burtner
12/21/2007

DATE	BY	REVISIONS	DATE	BY
06/29/07	06/29/07	06/29/07		

STATE OF FLORIDA	AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC
DEPARTMENT OF TRANSPORTATION	2489 Highway 90 P.O. Box 15227 Tallahassee, Florida 32311 Phone: (904) 487-4800 Fax: (904) 994-4944 Project: Statewide Roadway Rehabilitation Program Traverse 2, Stationing: STA. 0+00 to 0+99.9
COUNTY	FINANCIAL PROJECT ID
ESCAMBIA	41118-1-52-01
WETLAND DELINEATION SHEET	
SHEET NO.	154



DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

<p>American CONSULTING ENGINEERS OF FLORIDA, LLC</p> <p>Phone: (850) 284-1237 Fax: (850) 284-2004 1000 N. W. 13th St. Tallahassee, FL 32310 Terry D. Reinhardt, P.E., No. 57870</p>		<p>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <p>ROAD NO. <u> </u> COUNTY <u> </u> TRACED PROJECT ID <u> </u></p> <p>SR ID <u> </u> ESCALBIA <u> </u> 4118-1-52-01</p>
<p>WETLAND DELINEATION SHEET</p>		<p>SHEET NO. <u> </u></p> <p>155</p>

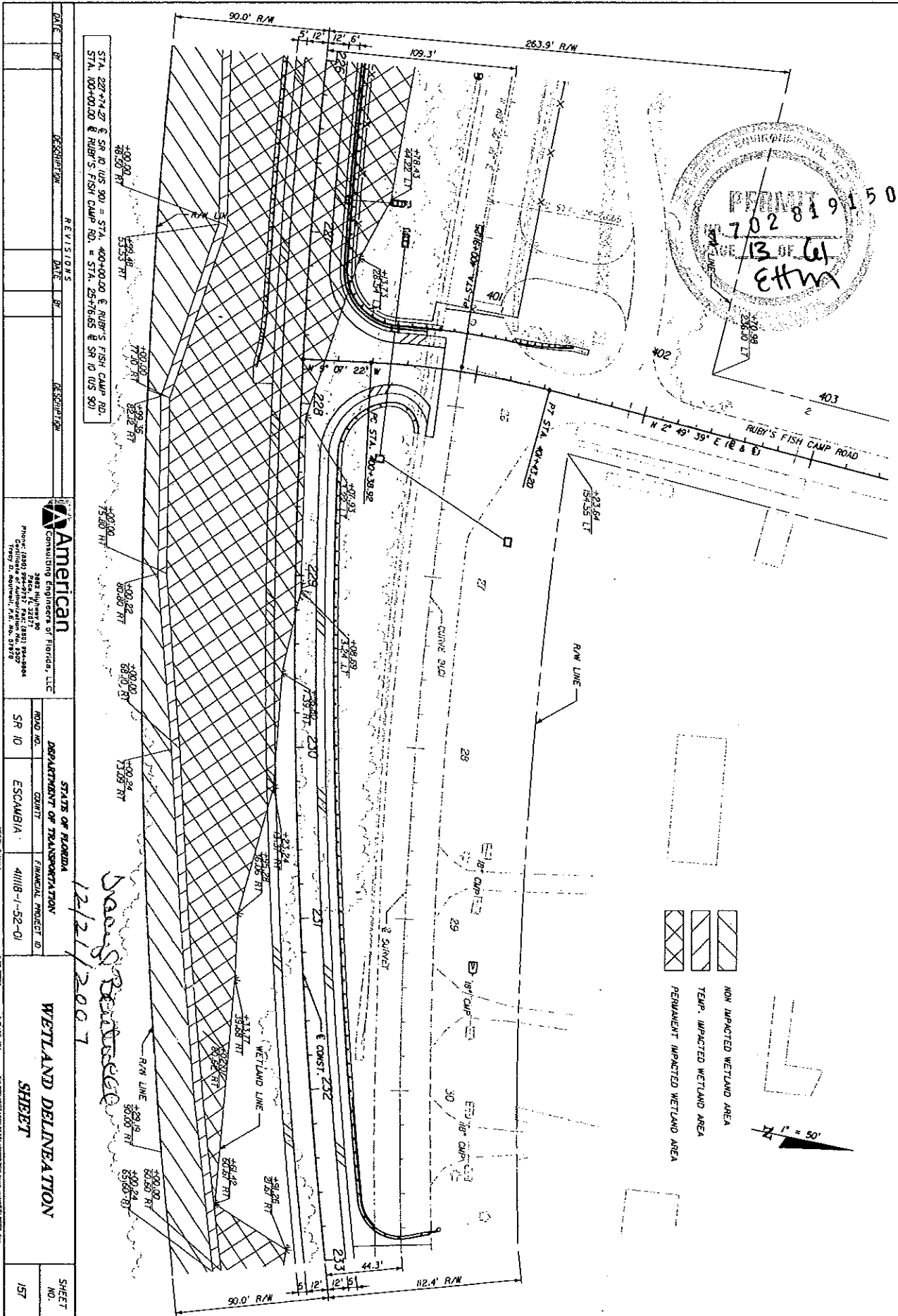
Dray Rader
12/21/2007

END BRIDGE NO. 240218
 BEGIN APPROACH SLAB
 STA. 218+44.89, E. CONST.
 END APPROACH SLAB
 STA. 218+84.89, E. CONST.

LEGEND:

- NON IMPACTED WETLAND AREA
- TEMP. IMPACTED WETLAND AREA
- PERMANENT IMPACTED WETLAND AREA

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G15-23.003, F.A.C.

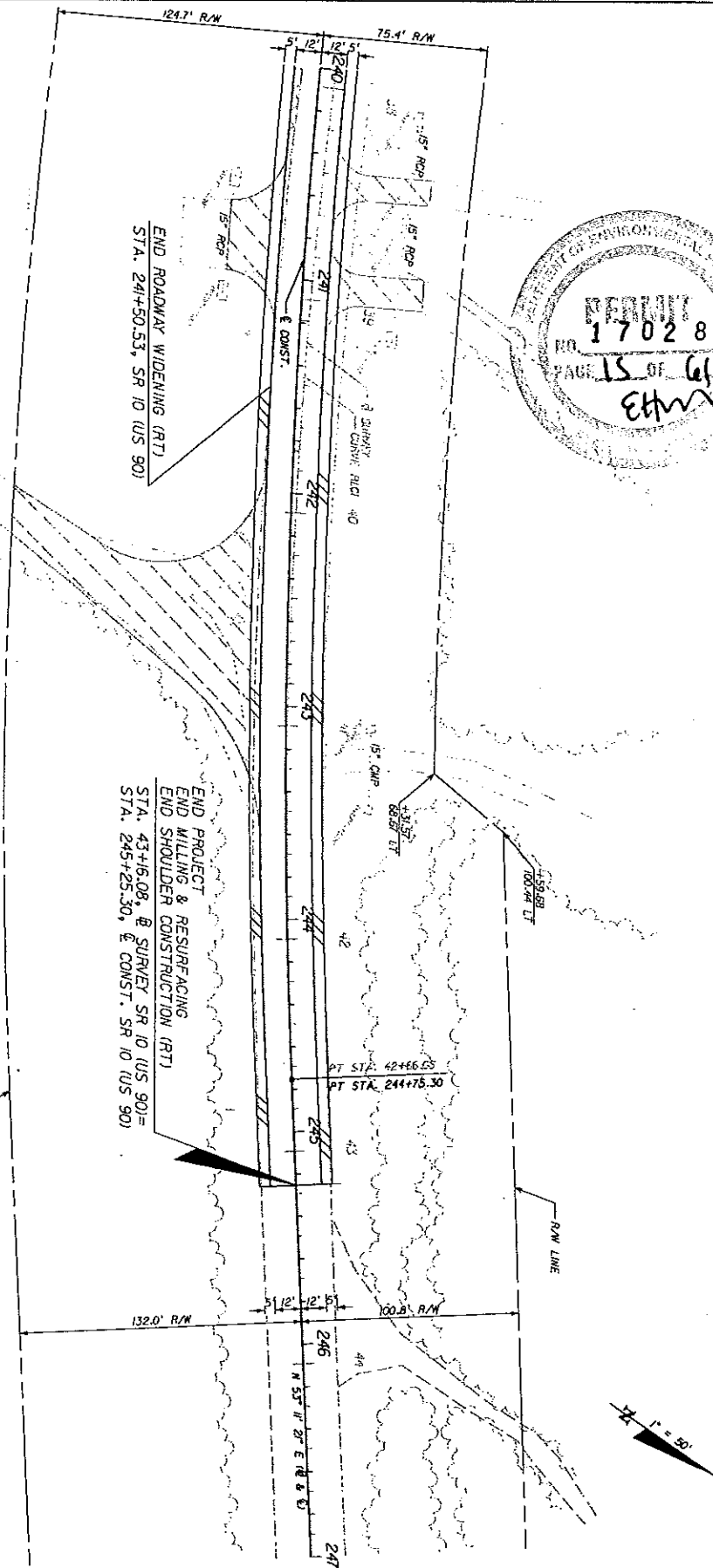
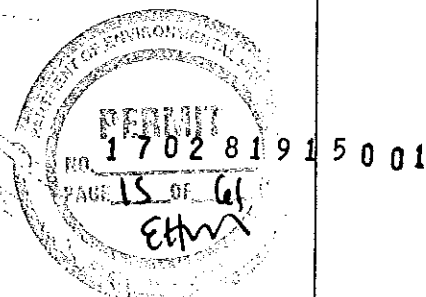


DATE	DESCRIPTION	DATE	DESCRIPTION
American Consulting Engineers of Florida, LLC 3882 Highway 90 Phone: (904) 999-1122 Fax: (904) 999-9944 Office: 1200 N. University Ave., Suite 100 Tallahassee, FL 32310			
STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION COUNTY FINANCIAL PROJECT ID		SR 10 ESCAMBIA 41118-1-52-01	
WETLAND DELINEATION SHEET		SHEET NO. 157	

STA. 227+74.27 & SR 10 (US 90) = STA. 400+00.00 & RUBY'S FISH CAMP RD.
 STA. 100+00.00 & RUBY'S FISH CAMP RD. = STA. 25+76.65 & SR 10 (US 90)

12/21/2007
 David R. [Signature]

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6015-23.003, F.A.C.



REVISIONS		DATE		DESCRIPTION	

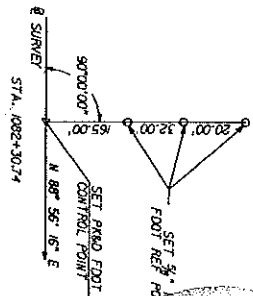
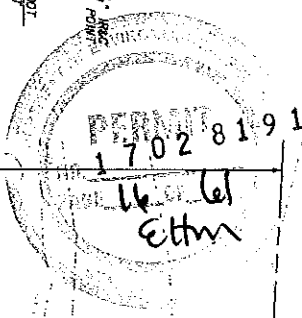
American Consulting Engineers of Florida, LLC 400 Highway 90 Palm Bay, FL 32909 Phone: (888) 884-1177 Fax: (888) 284-8844 Terry D. Erdreich, P.E. No. 0700	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION COUNTY: TRIMBLE COUNTY PROJECT ID: 41118-1-52-01	WETLAND DELINEATION SHEET	SHEET NO. 159
--	---	----------------------------------	---------------

12/21/2007
David R. Baskin

LEGEND

	WIDENING
	NON-IMPACTED WETLAND AREA
	TEMP. IMPACTED WETLAND AREA
	PERMANENT IMPACTED WETLAND AREA

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 60S-23.003, F.A.C.

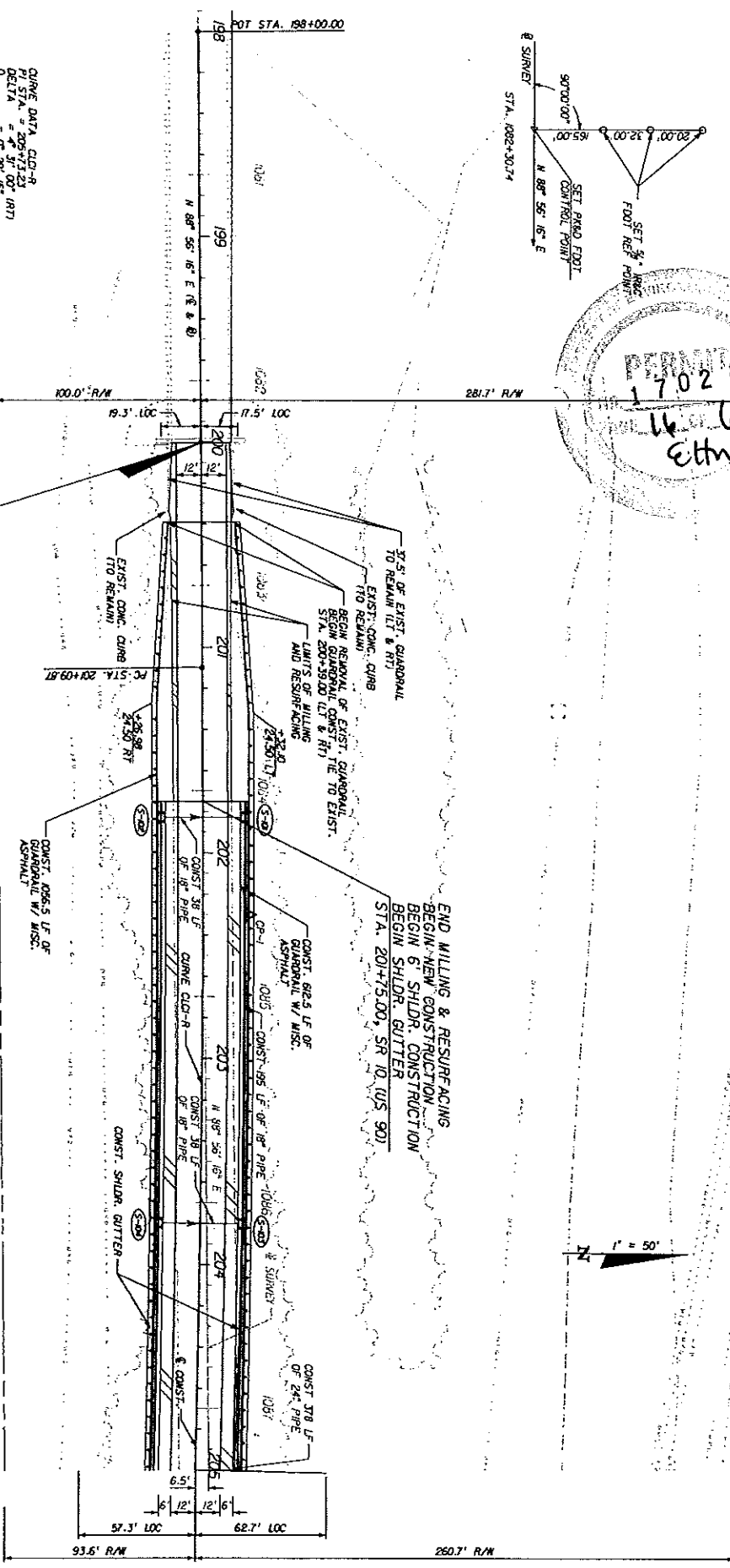


CURVE DATA CUB-8
 PI STA. = 202+72.71
 DELTA = 47° 31' 00" (RHT)
 D = 287.15'
 T = 483.35'
 L = 508.20'
 PC STA. = 20+09.87
 PT STA. = 20+36.11
 MC =

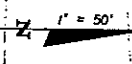
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

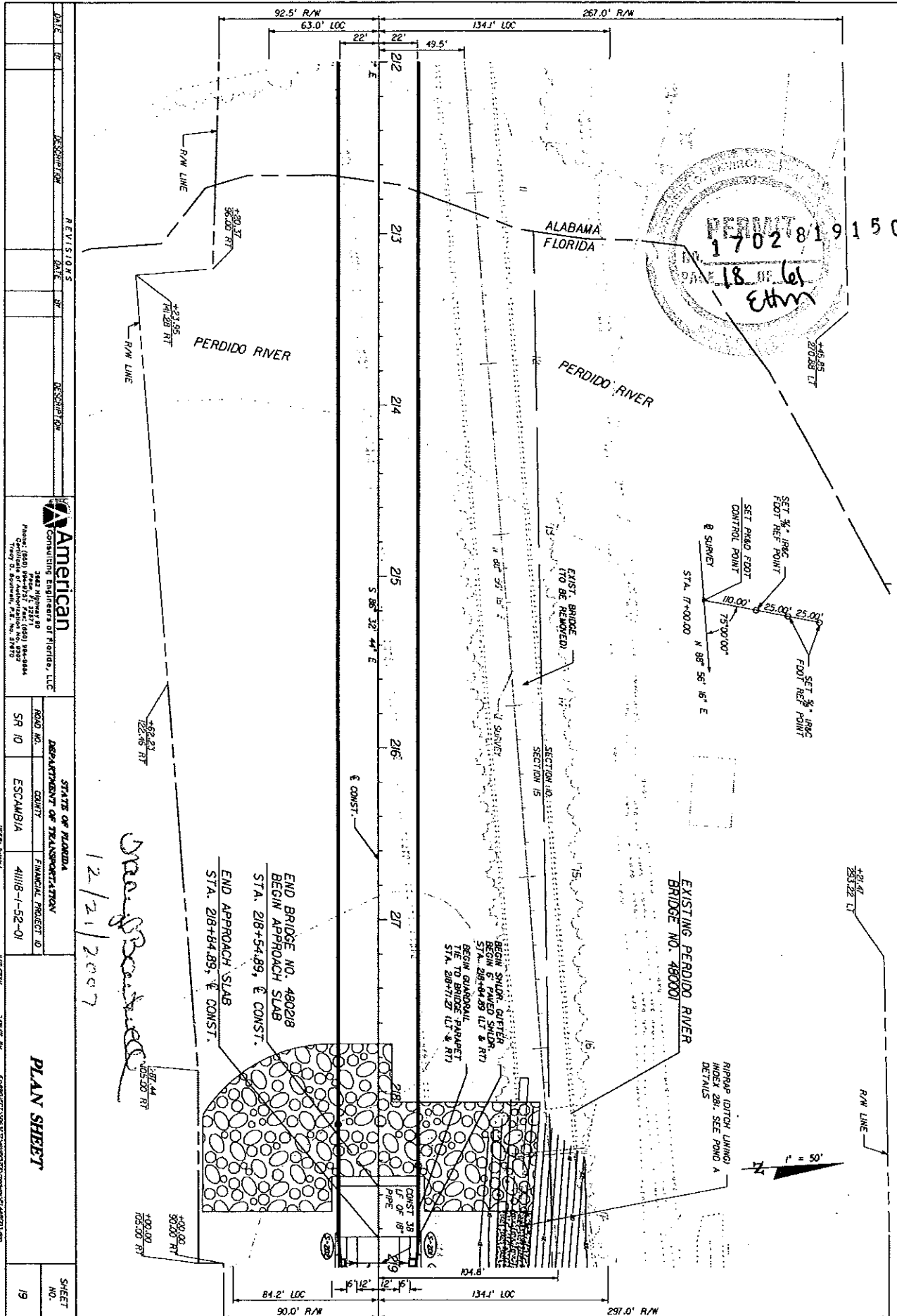
American Consulting Engineers of Florida, LLC		STATE OF FLORIDA	
200 N. W. 12th St., Suite 1000 Fort Lauderdale, FL 33304 Phone: (954) 561-7777 Fax: (954) 561-8888 Terry D. Stewart, P.E. No. 97810		DEPARTMENT OF TRANSPORTATION	
SR 10	ESCAMBIA	ROUTE NO.	41118-1-52-01
PROJECT NO. 12/21/2007		CONTRACT	FRANCIS PROJECT 10
SHEET NO. 17		PLAN SHEET	

BEGIN PROJECT
 BEGIN MILLING & RESURFACING
 STA. 1082+30.53, & SURVEY SR 10 (US 90)
 STA. 200+00.40, & CONST. SR 10 (US 90)



Diago R. Rautava
 12/21/2007



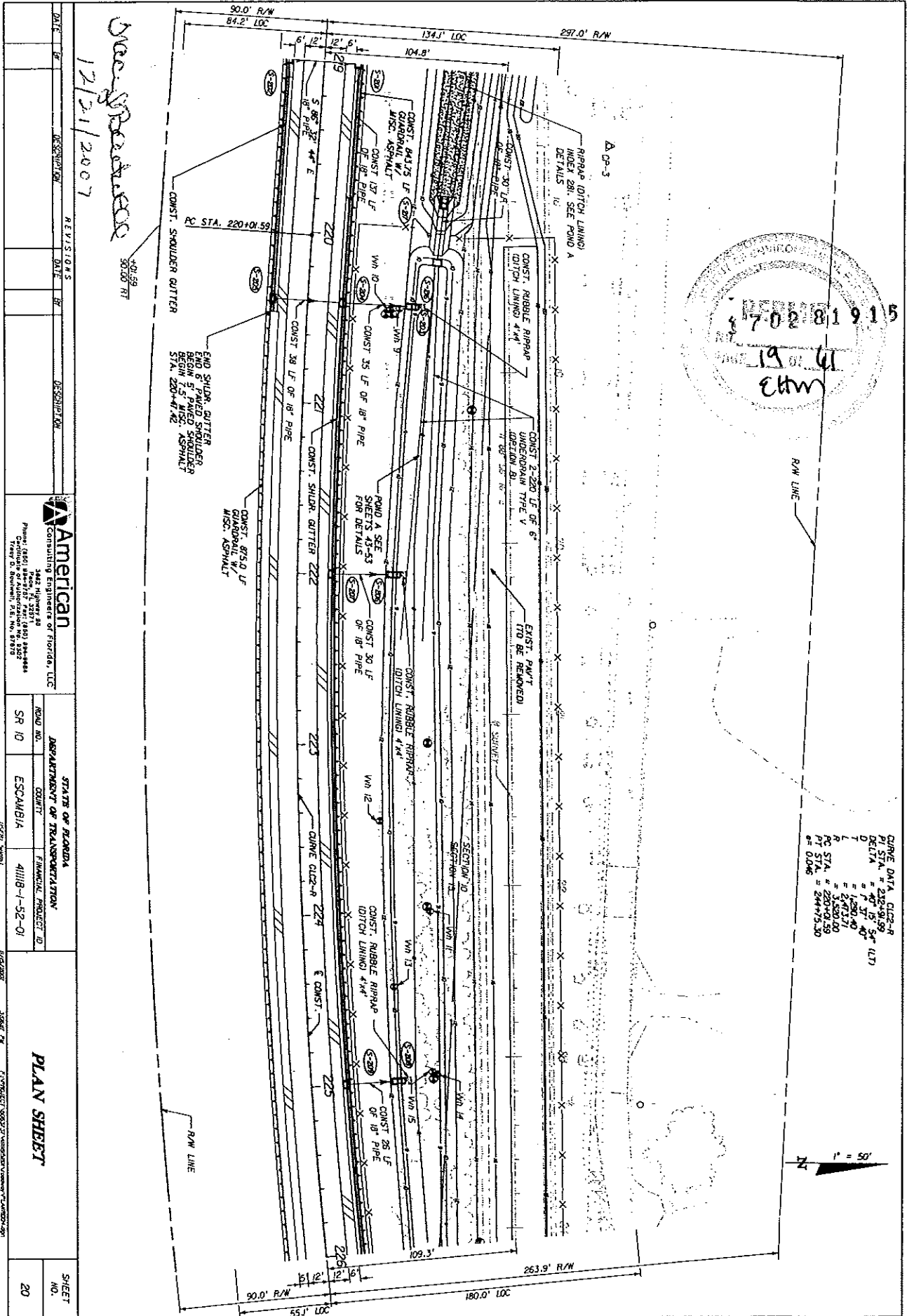


PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 170281915001
 18.06.01
 Ethm

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
		REVISIONS			
American Consulting Engineers of Florida, LLC 3442 Highway 90 Phone: (850) 964-2121 Fax: (850) 964-9444 Central Administration No. 8702 1000 N. West Blvd., Tallahassee, FL 32304					
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. _____ COUNTY _____ FINANCIAL PROJECT ID _____ SR ID _____ ESCAMBIA 41118-1-52-01			PLAN SHEET SHEET NO. 19		

12/21/2007
Margaret

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 605-23.003, F.A.C.



See Spreadsheets
 12/21/2007
 301.59
 307.00 HT

1000019181027
 19 01 01
 EHM

CURVE DATA CURVE-R
 CURVE STA. = 224+00.00
 DELTA = 40° 15' 40" (LT)
 D T = 7
 L = 1250.40
 E = 241.311
 PC STA. = 220+49.59
 PT STA. = 244+75.30
 R = 0.046

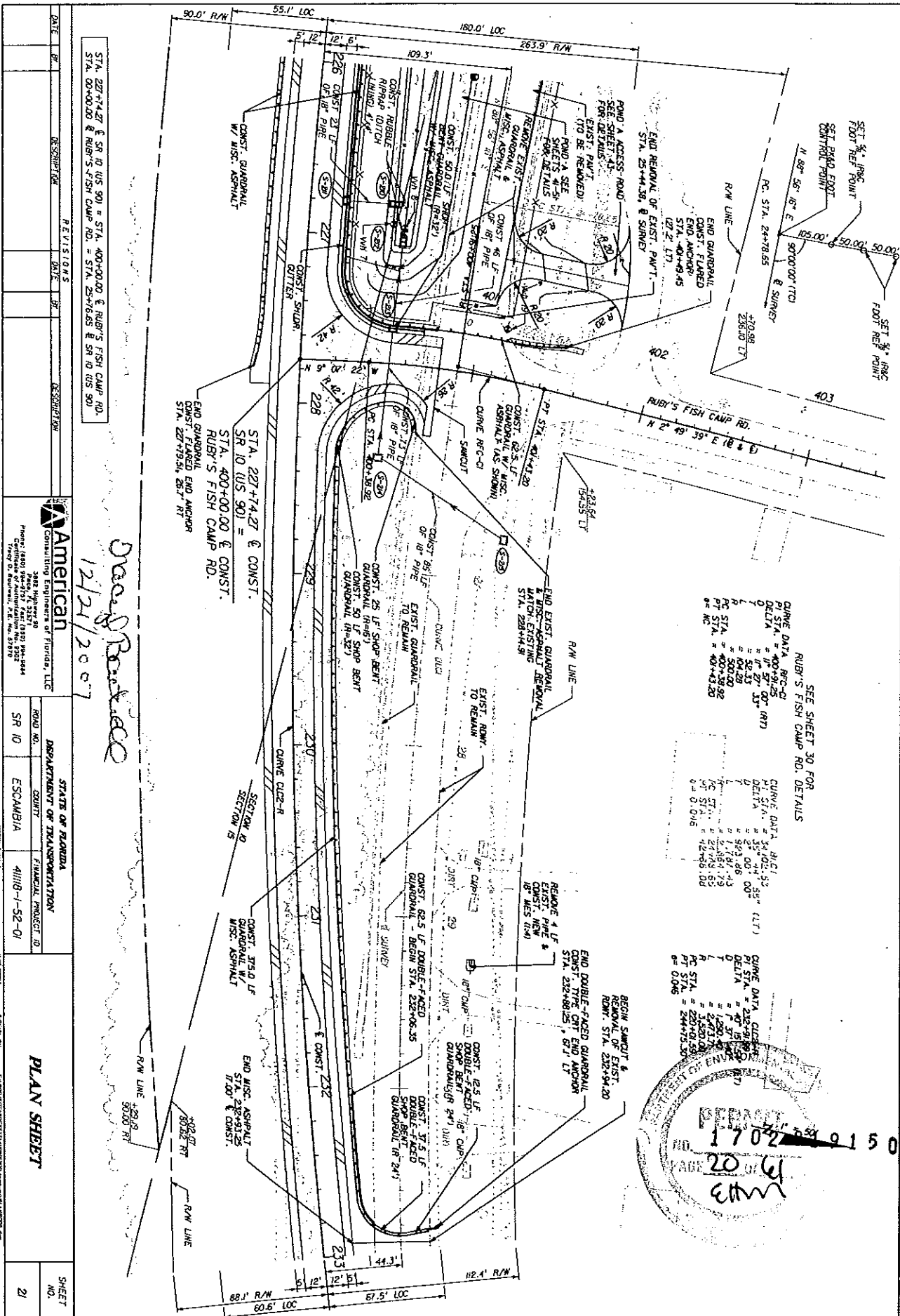
DATE	REVISIONS	DESCRIPTION

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
ROAD NO.	COUNTY
SR 10	ESCAMBIA
FINANCIAL PROJECT ID	41118-1-52-01

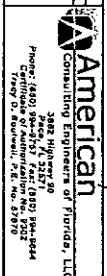
SHEET NO.	20
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American
 Consulting Engineers of Florida, LLC
 1000 N. W. 11th St.
 Ft. Lauderdale, FL 33304
 Phone: (954) 444-7777 Fax: (954) 444-4444
 Terry D. Schenck, P.E., No. 9878

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 605-23.003, F.A.C.



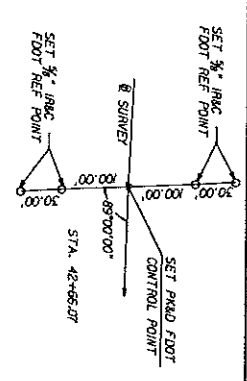
DATE: 12/21/2007
 DESIGNED BY: R. E. V. I. S. I. A. S.
 CHECKED BY: R. E. V. I. S. I. A. S.
 PROJECT NO.: 49118-1-52-01



STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 COUNTY: ESCAMBIA
 FINANCIAL PROJECT ID: 49118-1-52-01

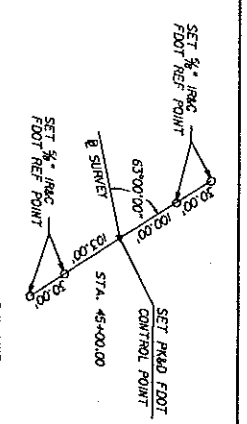
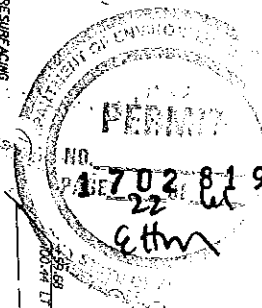
ROAD NO.: SR 10
 SECTION ID: SECTION 10
 PLAN SHEET
 SHEET NO.: 21

NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 65B-23.003, F.A.C.



CURVE DATA

PI STA	= 241+50.53
PT STA	= 241+50.53
DELTA	= 90°
R	= 125.00
L	= 241+50.53
R STA	= 241+50.53
PT STA	= 241+50.53
PC STA	= 241+50.53
PT STA	= 241+50.53
PC STA	= 241+50.53
PT STA	= 241+50.53
PC STA	= 241+50.53
PT STA	= 241+50.53
PC STA	= 241+50.53



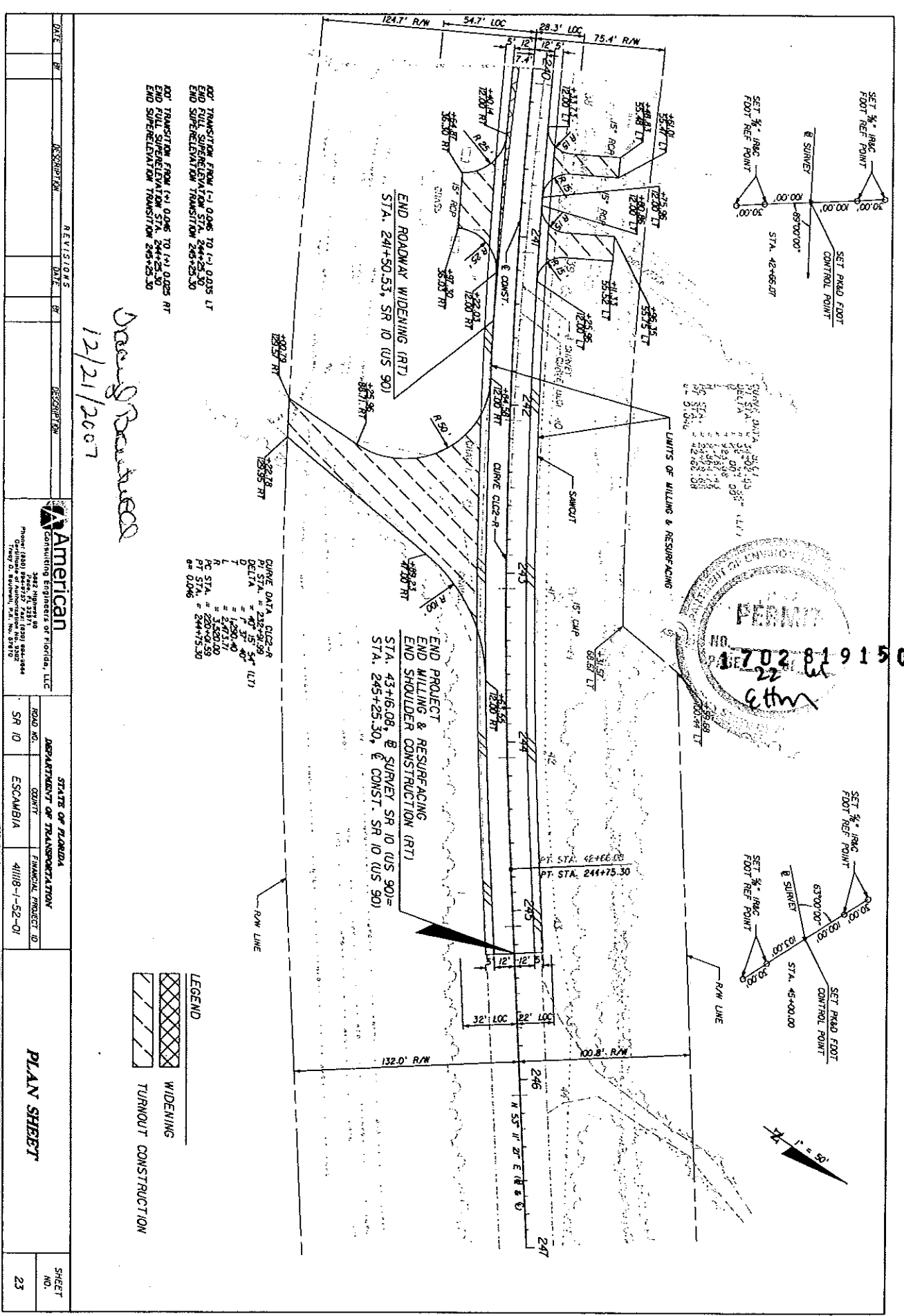
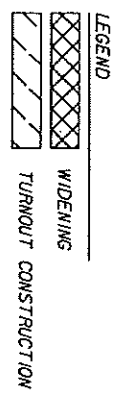
100' TRANSITION FROM 1-1/2" 0.006 TO 1-1/2" 0.025 LT
 END FULL SURVELEVATION STA. 244+25.30
 END SUPERELEVATION TRANSITION 245+25.30

100' TRANSITION FROM 1-1/2" 0.006 TO 1-1/2" 0.025 RT
 END FULL SURVELEVATION STA. 244+25.30
 END SUPERELEVATION TRANSITION 245+25.30

Drawn by Robert...
 12/21/2007

CURVE DATA

PI STA	= 241+50.53
PT STA	= 241+50.53
DELTA	= 90°
R	= 125.00
L	= 241+50.53
R STA	= 241+50.53
PT STA	= 241+50.53
PC STA	= 241+50.53
PT STA	= 241+50.53
PC STA	= 241+50.53
PT STA	= 241+50.53
PC STA	= 241+50.53



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

REVISED WORKS

American
 Consulting Engineers of Florida, LLC
 3442 Highway 80
 Suite 215
 Ft. Lauderdale, FL 33322
 Phone (954) 343-3331 (954) 944-1844
 Fax (954) 343-3332
 E-mail: info@american-fl.com
 Web: www.american-fl.com

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. COUNTY FINANCIAL PROJECT ID
 SR 10 ESCAMBIA 41118-1-52-01

PLAN SHEET

SHEET NO. 23

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 695-23.003, F.A.C.

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

CONTRACT PLANS

FINANCIAL PROJECT ID 41118-1-52-01
ESCAMBIA COUNTY, FLORIDA (48010)

BALDWIN COUNTY, ALABAMA

STATE ROAD NO. 10 (US 90) OVER PERDIDO RIVER
BRIDGE NO. 480218

STRUCTURE PLANS

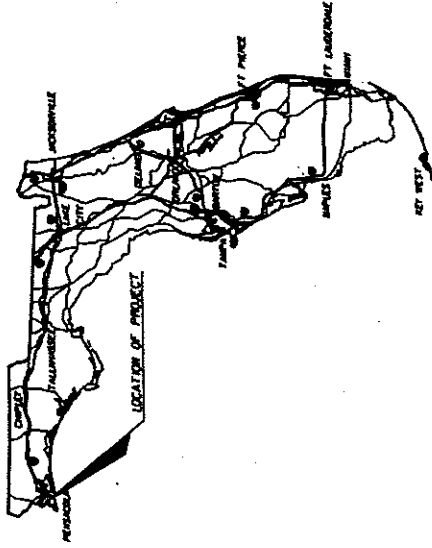
INDEX OF STRUCTURE PLANS

SHEET NO.	SHEET DESCRIPTION
B-01	KEY SHEET
B-02	GENERAL NOTES
B-03	PLAN AND ELEVATION (1 OF 3)
B-04	PLAN AND ELEVATION (2 OF 3)
B-05	PLAN AND ELEVATION (3 OF 3)
B-06	BRIDGE HYDRAULIC RECOMMENDATIONS
B-07	REMOVAL OF EXISTING STRUCTURES
B-08	FOUNDATION INVESTIGATION (BORINGS) (1 OF 4)
B-09	FOUNDATION INVESTIGATION (BORINGS) (2 OF 4)
B-10	FOUNDATION INVESTIGATION (BORINGS) (3 OF 4)
B-11	FOUNDATION INVESTIGATION (BORINGS) (4 OF 4)
B-12	FOUNDATION LAYOUT (1 OF 3)
B-13	FOUNDATION LAYOUT (2 OF 3)
B-14	FOUNDATION LAYOUT (3 OF 3)
B-15	PILE DATA TABLE
B-16	END BENT 1
B-17	END BENT 10
B-18	END BENT DETAILS
B-19	INTERMEDIATE BENTS 2 THRU 9
B-20	INTERMEDIATE BENT DETAILS
B-21	ASHTO BEAM LAYOUT
B-22	TYPICAL SECTION THROUGH BRIDGE DECK
B-23	FINISH GRADE ELEVATIONS (1 OF 3)
B-24	FINISH GRADE ELEVATIONS (2 OF 3)
B-25	FINISH GRADE ELEVATIONS (3 OF 3)
B-26	SUPERSTRUCTURE (1 OF 3)
B-27	SUPERSTRUCTURE (2 OF 3)
B-28	SUPERSTRUCTURE (3 OF 3)
B-29	SUPERSTRUCTURE DETAILS
B-30	ASHTO TYPE III BEAM - TABLE OF BEAM VARIABLES
B-31	BUILDUP & DEFLECTION DATA TABLE FOR I-BEAMS
B-32	APPROACH SLAB (1 OF 2)
B-33	APPROACH SLAB (2 OF 2)
B-34	SLOPE PROTECTION DETAILS
B-35	REINFORCING BAR LIST (1 OF 2)
B-36	REINFORCING BAR LIST (2 OF 2)
B-37	LOAD RATING CHARTS

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2005,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2007,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 1-1-07
For Design Standards modifications click on
"Design Standards" at the following web site:
<http://www.dot.state.fl.us/rdw/rdw.html>

REVISIONS



STRUCTURE SHOP DRAWINGS
TO BE SUBMITTED TO:
SCOTT MORPH, P.E.
C/O AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC
4111 LAND O' LAKES BOULEVARD
SUITE 200
LAND O' LAKES, FLORIDA 34639
(813) 986-2800

PLANS PREPARED BY:
American
Consulting Engineers of Florida, LLC
4111 Land O' Lakes Blvd. Suite 210
Land O' Lakes, Florida 34639
Phone: (813) 986-2800, Fax: (813) 986-1808
Certificate of Accreditation No. 0302
Vendor No. 1440234-001
Contract No. C-6148

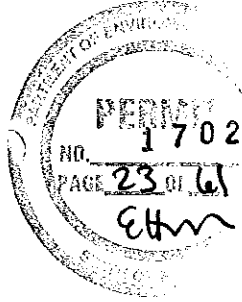
NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

PHASE III PLANS SUBMITTAL
MAY 8, 2007

DATE	BY	REVISIONS

STRUCTURE PLANS
ENGINEER OF RECORD: SCOTT MORPH, P.E.
P.E. NO. 52287

FISCAL YEAR	10
SHEET NO.	B-01



FOOT PROJECT MANAGER: BILL HOWELL

SR 10 US 90 over Perdido River Bridge Replacement
2/4/2007 12:35:59 PM 1/18/2007 08:03:37

GENERAL NOTES

GENERAL SPECIFICATIONS:
Florida Department of Transportation Standard Specifications for Road and Bridge Construction (dated 2007), as amended by contract documents.

DESIGN SPECIFICATIONS:
FDOT Structures Manual dated January 2007 (ref. Vol.1, Section 1.6),
Subsequent Structures Temporary Design Bulletin February 14, 2007,
March 9, 2007; March 27, 2007; April 20, 2007.

ENVIRONMENT:
Superstructure - Slightly Aggressive
Substructure - Concrete: Extremely Aggressive
Steel: Extremely Aggressive

FUTURE WEARING SURFACE:
Design does not include allowance for 15 psf.

CONCRETE:
All concrete shall be in accordance with Section 346.

Concrete Class	Min. 28-day Compressive Strength (ksi)	Location of Structure
II	f'c = 3.4	CIP Traffic Rolling Barrier
II	f'c = 4.5	CIP Superstructure
II (Bridge Deck)	f'c = 4.5	CIP Approach Slabs
IV	f'c = 5.5	Substructure
V (Special)	f'c = 6.0	Prestressed Piles
VI	f'c = 8.5	Prestressed Beams

CONCRETE COVER:
CIP Superstructure = 2" (Typical except as noted)
CIP Substructure = 4 1/2" for external surfaces cast against earth
4" for other external surfaces
2" for top of girder pedestals

Concrete covers shown in the plans do not include placement and fabrication tolerances unless shown as "minimum cover". See FDOT Standard Specifications for allowable tolerances.

REINFORCING STEEL:
All reinforcing steel shall be ASTM A615, Grade 60. Service Stress and Service III loading shall be limited to 24 ksi for bent caps.

APPLIED FINISH COATING:
A Class 5 Finish Coating shall be applied to the portions of the structures shown on the Surface Finish Detail, see detail on this sheet as well as all exposed surfaces (top, inside and outside) of end bent wingwalls.

PLAN DIMENSIONS:
All dimensions in these plans are measured in feet and inches either horizontally or vertically unless otherwise noted.

UTILITIES:
For locations of existing utilities, see Plan and Elevation sheets B-03, B-04 and B-05. The utilities shown in the bridge plans are at approximate locations. For additional information refer to the Utility Plans.

JOINTS IN CONCRETE:
Construction joints will be permitted only at locations indicated on the plans. Additional construction joints or alterations to those shown shall require approval of the Engineer.

SCREEDING DECK SLABS:

Screed the riding surface of the Bridge Deck and Approach Slabs to achieve the Finish Grade Elevations shown in the plans. Account for theoretical deflections due to deck self weight, deck casting sequence, deck forming systems, construction loads and temporary shoring, etc. as required.

STAY IN PLACE DECK FORMS:
Design includes allowance for 20 psf over the projected plan area of the metal forms for the unit weight of metal forms and concrete required to fill the form flutes.

PHASING OF WORK:
Work phasing and progression of the work shall conform with the Traffic Control Plans located in the Roadway Plans.

LEAD BASED PAINT:
The Contractor is responsible for following the requirements of the Occupational Safety and Health Administration (OSHA), the Environmental Protection Agency (EPA) and other governing Authorities when removing paint or components coated with lead based paint. See the Specifications for additional information.

HAZARDOUS AND NON-HAZARDOUS WASTE:
It has been determined that there is lead pigment on the existing girders in Span 5. The Contractor shall furnish storage areas, storage containers and miscellaneous items required for handling and temporary storage of hazardous and non-hazardous waste material. Non-hazardous waste shall be disposed of in accordance with local, state and federal laws and regulations, including but not limited to, local landfill requirements. The Contractor shall contact local non-hazardous disposal sites to obtain information concerning local requirements. The Department shall be responsible for the disposal of hazardous waste.

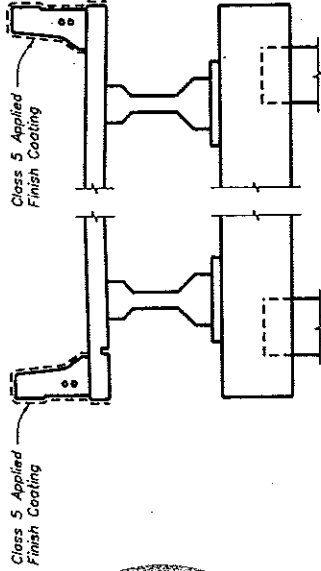
DESIGN STANDARDS:

The following Design Standards shall be used in this plan set: 420, 2010, 20130, 20189, 20500, 20600, 20601, 20602, 20624, 20900, 21110, 21210 and 21300.

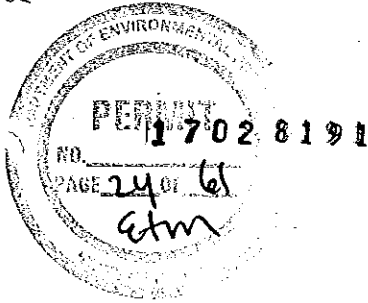
BID ITEM NOTES

- For Summary of Bridge Pay Items, see sheets 2 and 3 of Roadway Plans.
- Payment for incidental items not specifically covered in individual Bid Items shall be included in the Contract Unit Price for the Bid Items.
- For Traffic Control/Notes, see Roadway Plans.
- Item Number 110-3 includes removal of the following approximate plan area of existing structure:
24909 square feet - Bridge No. 480001
All demolition activities including methods, materials, labor, work zone protection, equipment and disposal shall be included in the Contract Unit Price for Bid Item Number 110-3, Removal of Existing Structures. For limits of removal, see sheet B-07.
- The Approach Slab sheets are included with the Bridge Plans. All quantities that are associated with the individual Approach Slabs are included with the quantities for their respective bridge, except for the asphalt overlay quantities. They are included with the Roadway quantities.
- The cost of the deck inserts for future utility hangers shall be included in the Contract Unit Price for Bid Item Number 400-2-4, Superstructure Concrete.
- The cost of labor and materials for construction of the expansion joints in the bridge deck shall be included in the Contract Unit Price for Bid Item Number 458-1-11, Bridge Deck Expansion Joint.
- Payment for furnishing and installing composite neoprene bearing pads shall be under Bid Item No. 400-147 and includes the following:

STD. BEARING PADS (INDEX NO. 20500)		
Bearing Pad Dimensions	No. of Pads	Std. Pad Type
1'-2" x 1'-6" x 2 1/4"	108	Type III - B



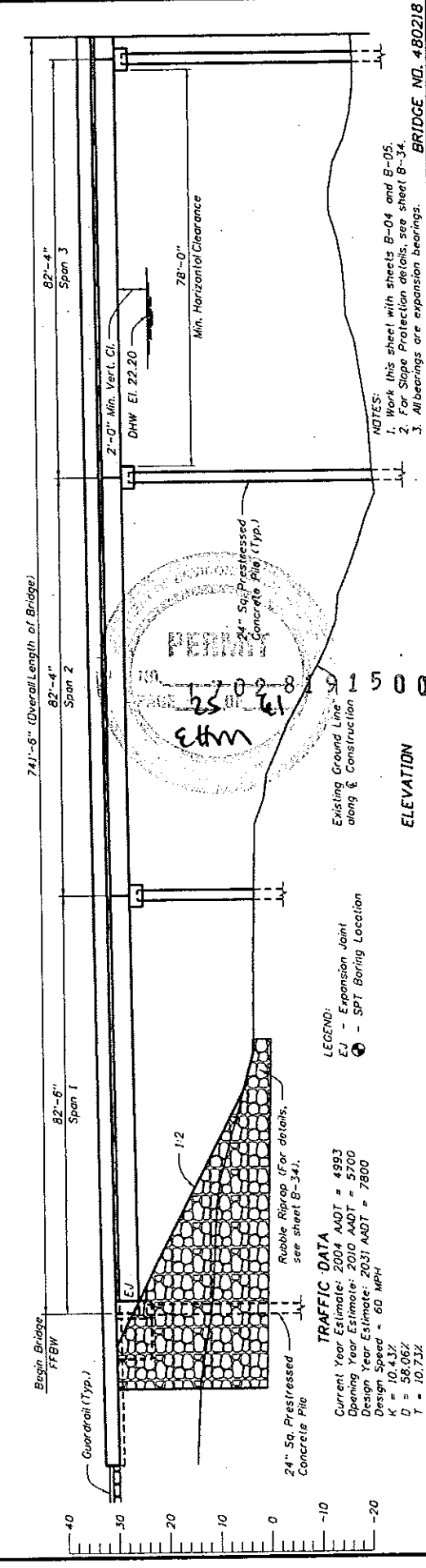
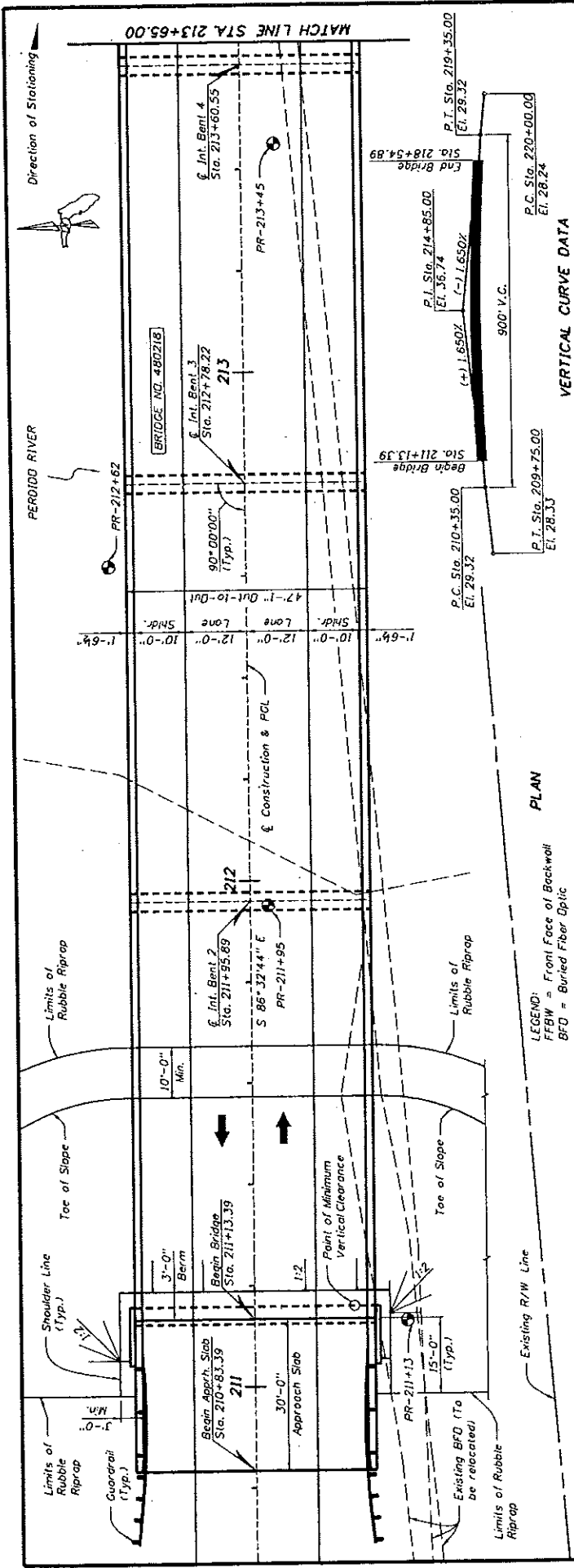
SURFACE FINISH DETAIL



BRIDGE NO. 480001		BRIDGE NO. 480001		BRIDGE NO. 480001	
SR 10 (US 90) OVER PERDIDO RIVER		SR 10		SR 10	
PROJECT NO. 411118-1-SE-01		PROJECT NO. 411118-1-SE-01		PROJECT NO. 411118-1-SE-01	
COUNTY ESCAMBIA		COUNTY ESCAMBIA		COUNTY ESCAMBIA	
FISCAL YEAR 2008		FISCAL YEAR 2008		FISCAL YEAR 2008	
RECORD NO. 1702819		RECORD NO. 1702819		RECORD NO. 1702819	
DATE 06/20/07		DATE 06/20/07		DATE 06/20/07	
DRAWN BY		CHECKED BY		APPROVED BY	
DESIGNED BY		CALCULATED BY		DESIGNED BY	
CHECKED BY		DESIGNED BY		CHECKED BY	
APPROVED BY		APPROVED BY		APPROVED BY	
SCALE		SCALE		SCALE	
SHEET NO. 8-02		SHEET NO. 8-02		SHEET NO. 8-02	
TOTAL SHEETS 8-02		TOTAL SHEETS 8-02		TOTAL SHEETS 8-02	

GENERAL NOTES

BRIDGE NO. 480018



TRAFFIC DATA

Current Year Estimate: 2004 AADT = 4993
 Opening Year Estimate: 2010 AADT = 5700
 Design Year Estimate: 2031 AADT = 7800
 Design Speed = 60 MPH
 K = 10.37
 D = 56.06%
 F = 10.73%

LEGEND:
 EJ - Expansion Joint
 ● - SPT Boring Location

LEGEND:
 FFBW = Front Face of Backwall
 BFD = Buried Fiber Optic

KEYSTONE

DATE	BY	REVISION
JUL 11-05	SK	11-05
SEP 11-05	LEP	11-05
DEC 11-05	DEK	11-05
APPROVED BY: S. KORPI, PE		

ENGINEER OF RECORD:
 American
 111118-1-52-01

FLORIDA DEPARTMENT OF TRANSPORTATION

PROJECT NO. SR 10 (US 90) OVER PERDIDO RIVER
 BRIDGE NO. 480218

BRIDGE NO. 480218

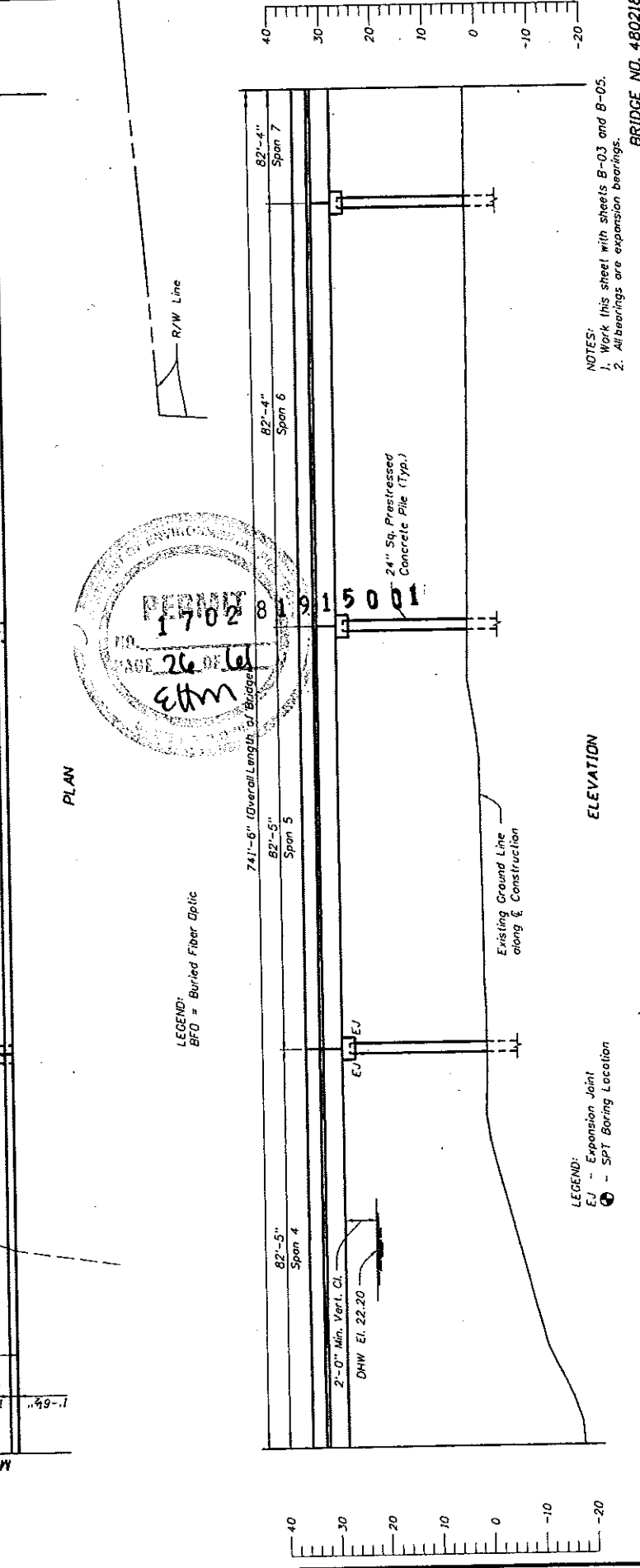
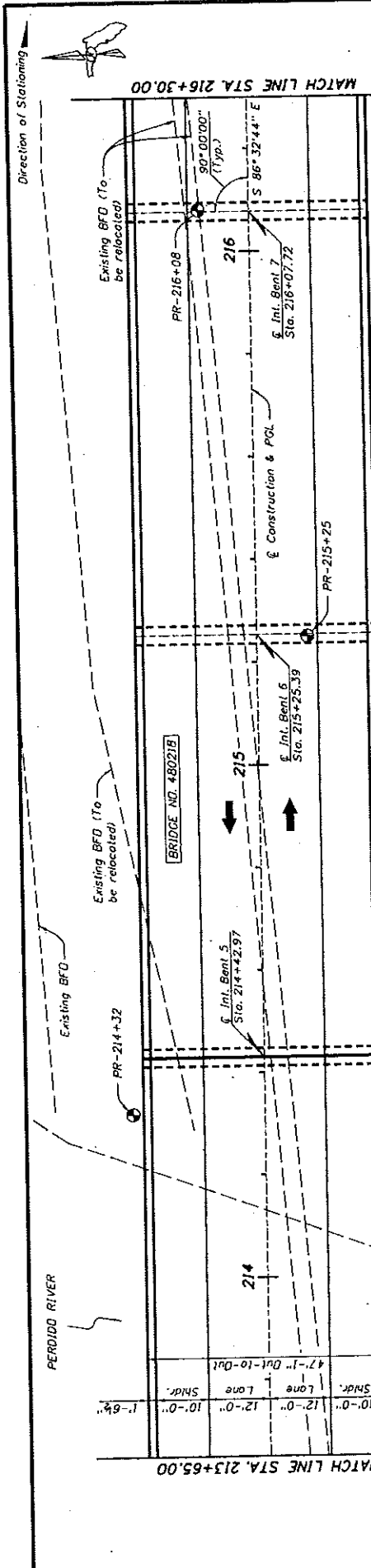
PLANNING PROJECT NO. 411118-1-52-01

ROAD NO. SR 10

COUNTY ESCAMBIA

DATE: 5-2-2008

SCALE: 3/8" = 1'-0"



LEGEND:
 BFO = Buried Fiber Optic

LEGEND:
 EJ = Expansion Joint
 ● = SPT Boring Location

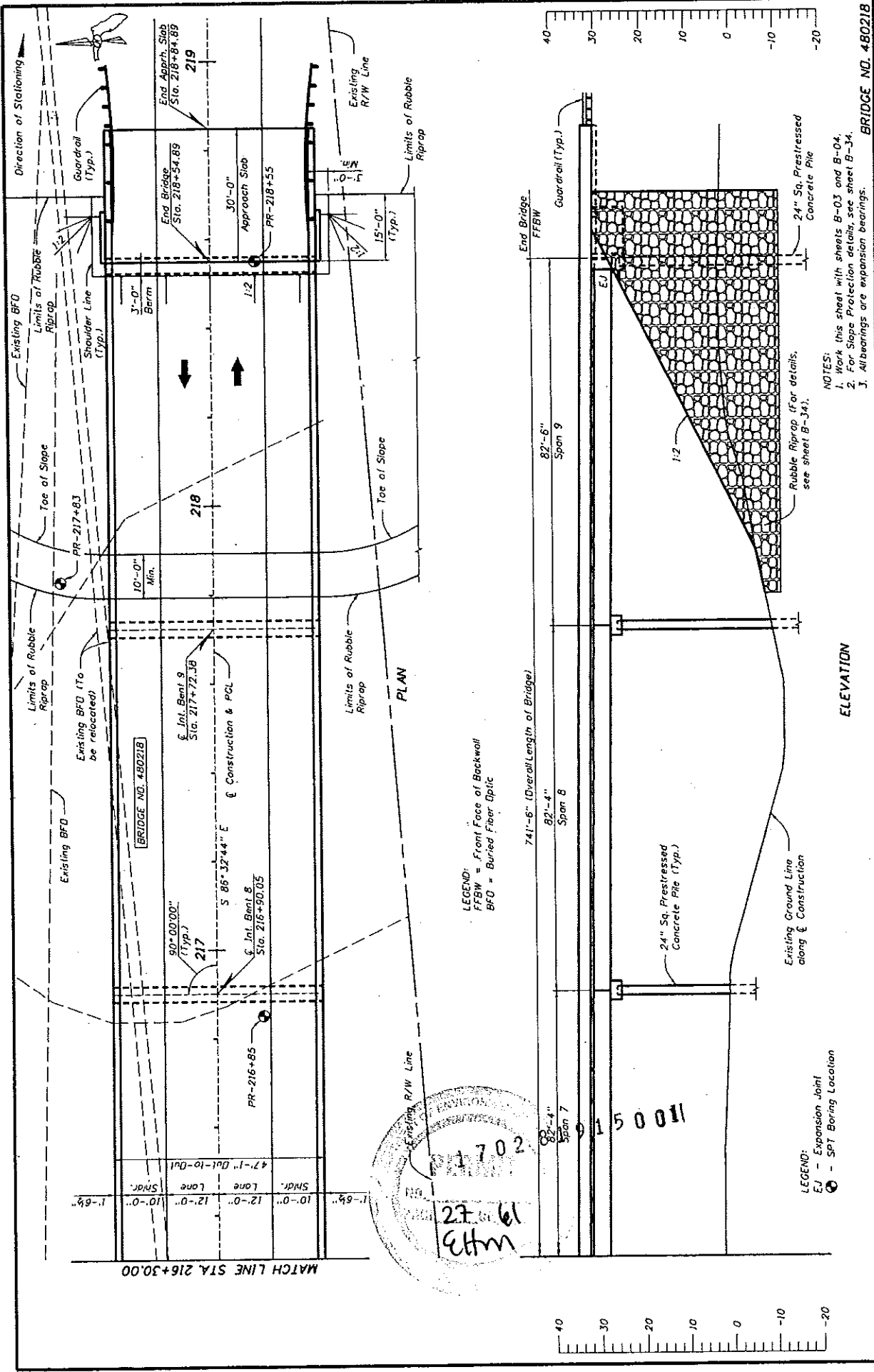
NOTES:
 1. Work this sheet with sheets B-03 and B-05.
 2. All bearings are expansion bearings.

BRIDGE NO. 480218

REVISION				DATE		BY		CHECKED BY		APPROVED BY	

ENGINEER OF RECORD: American Professional Seal No. 4512 Date: 11-11-06 Florida State No. 11-06 S. KOSPII, PE				FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT NO. SR 10 (US 90) OVER PERDIDO RIVER BRIDGE NO. 480218		SHEET NO. B-04	
COUNTY ESCAMBIA		PROJECT NO. 411118-1-52-01		DATE 12/28/09		DRAWN BY S. KOSPII, PE	

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 69S-23.003, F.A.C.



MATCH LINE STA. 216+30.00

1'-6"	10'-0"	12'-0"	12'-0"	10'-0"	1'-6"
SHDR. Lane	12'-0"	12'-0"	12'-0"	10'-0"	SHDR. Lane
10'-0"	12'-0"	12'-0"	12'-0"	10'-0"	10'-0"
1'-6"	10'-0"	12'-0"	12'-0"	10'-0"	1'-6"

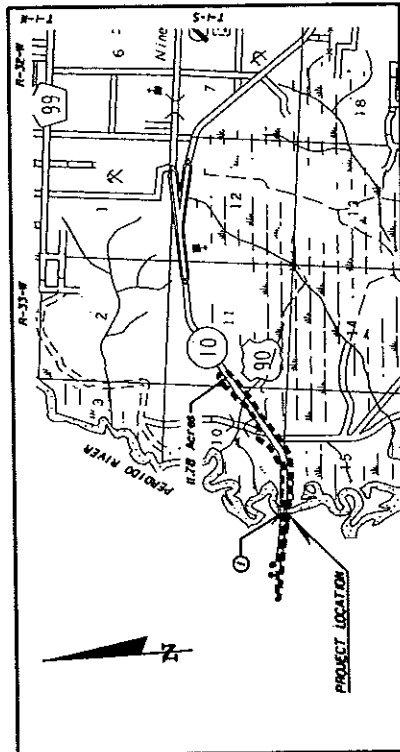
27 61
 1702
 150011

LEGEND:
 FFBW = Front Face of Backwall
 BFO = Buried Floor Slab

LEGEND:
 EJ = Expansion Joint
 SPT = SPT Boring Location

NOTES:
 1. Work this sheet with sheets B-03 and B-04.
 2. For Slope Protection details, see sheet B-34.
 3. All bearings are expansion bearings.

DATE		BY		DESCRIPTION	
REVISIONS					
ENGINEER OF RECORD					
DATE	BY	SCALE	PROJECT NO.	COUNTY	SR NO.
JUL 11-05	JL	1/2" = 1'-0"	411118-1-52-91	ESCAMBIA	SR 10
FLORIDA DEPARTMENT OF TRANSPORTATION					
SR 10 (US 90) OVER PERDIDO RIVER					
BRIDGE NO. 480218					
PLAN AND ELEVATION (3 OF 3)					
BRIDGE NO. 480218					
SHEET NO. B-05					



EXISTING STRUCTURE	PROPOSED STRUCTURE
1. DATE: 1978 2. TYPE: 11 3. SPAN LENGTH: 100 FT 4. TYPE CONSTRUCTION: CONCRETE & STEEL 5. AREA OF OPENING & D.F.: 35,000 SQ FT 6. BRIDGE WIDTH: 40 FT 7. ELEV. OF HIGHWAY: 100 FT	1. DATE: 1978 2. TYPE: 11 3. SPAN LENGTH: 100 FT 4. TYPE CONSTRUCTION: CONCRETE & STEEL 5. AREA OF OPENING & D.F.: 35,000 SQ FT 6. BRIDGE WIDTH: 40 FT 7. ELEV. OF HIGHWAY: 100 FT

HYDRAULIC DESIGN DATA

NOTE: The hydraulic data is shown for informational purposes only to indicate the flood elevations and water surface elevations which may be anticipated in any given year. This data was generated using higher velocity factors determined by a study of the watershed. It is not intended to be used for design purposes. The design of the structure shall be based on the design flood which is shown on the map. The design flood is based on the assumption of precipitation which cannot be estimated.

TERMS: FLOOD: Utilized to ensure a desired level of hydraulic performance.
 DESIGN FLOOD: Has a 1% chance of being exceeded in any given year (100 year frequency).
 DESIGN FLOOD: Has a 1% chance of being exceeded in any given year (100 year frequency).
 DESIGN FLOOD: Has a 1% chance of being exceeded in any given year (100 year frequency).
 DESIGN FLOOD: Has a 1% chance of being exceeded in any given year (100 year frequency).

WATER SURFACE ELEVATIONS: BANK (feet)	R/A	R/A	R/A	R/A	R/A	R/A	R/A	R/A	R/A
100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

PER INFORMATION	LOW FLOW	DESIGN FLOOD	BASE FLOOD	OVERFLOW FLOOD
1. BRIDGE STATION: 48028	100.00	100.00	100.00	100.00
2. CLEARANCE PROVIDED: 10 FT	100.00	100.00	100.00	100.00
3. REMARKS: SEE DRAWING	100.00	100.00	100.00	100.00
4. REMARKS: SEE DRAWING	100.00	100.00	100.00	100.00

BRIDGE NO. 48028

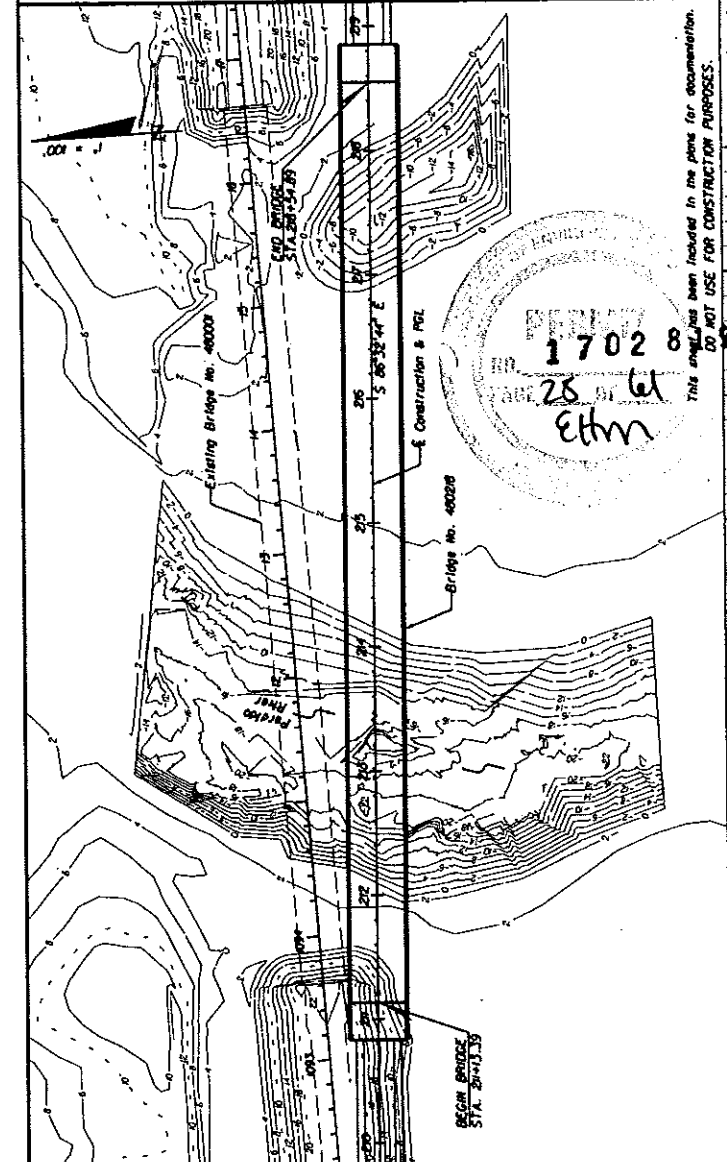
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

PROJECT NO. 48028
 COUNTY: ESCAMBIA
 SR NO: 1-52-01

BRIDGE HYDRAULIC RECOMMENDATIONS

DATE: 1978

BY: [Signature]



DATE	REVISION	DESCRIPTION
1978	1	Profile Grade
1978	2	Ground Line
1978	3	Existing Bridge
1978	4	Proposed Bridge
1978	5	Clearance
1978	6	Water Surface Elevation
1978	7	Flow Velocity
1978	8	Design Flood
1978	9	Base Flood
1978	10	Overflow Flood

BRIDGE NO. 48028

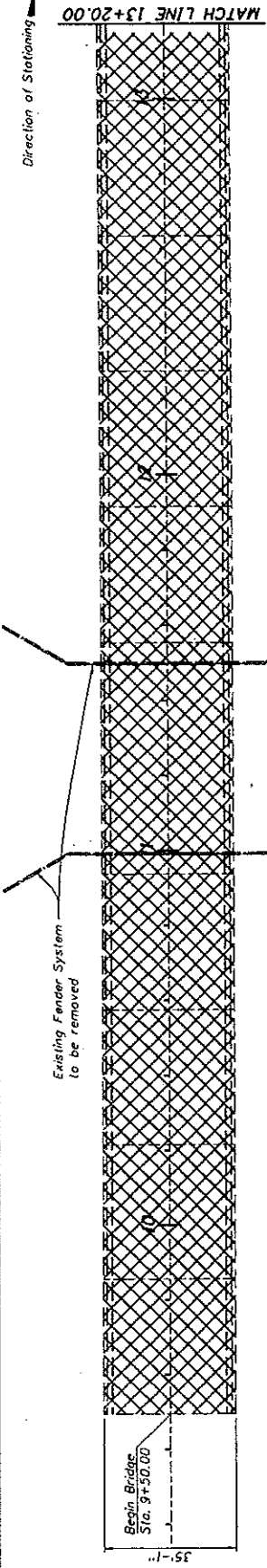
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

PROJECT NO. 48028
 COUNTY: ESCAMBIA
 SR NO: 1-52-01

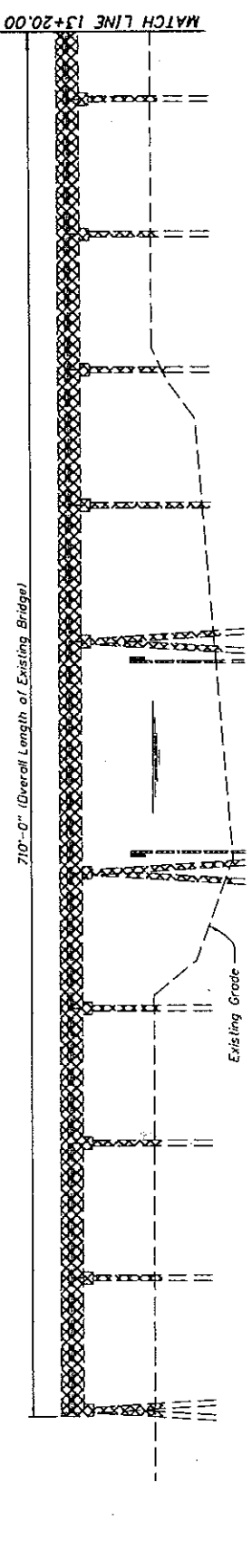
BRIDGE HYDRAULIC RECOMMENDATIONS

DATE: 1978

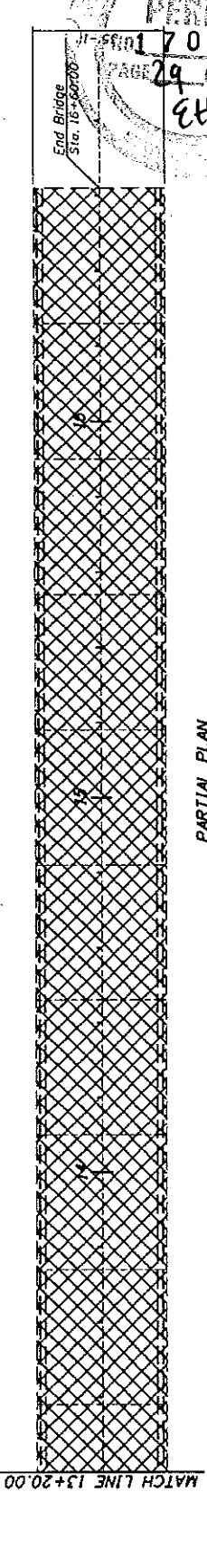
BY: [Signature]



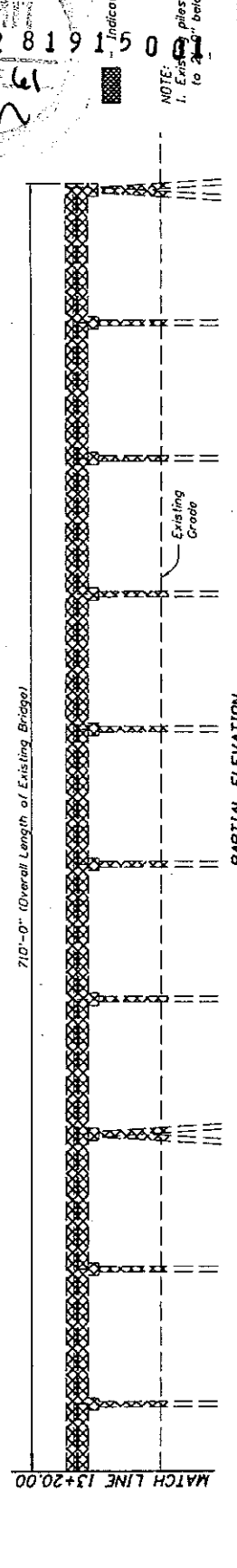
PARTIAL PLAN



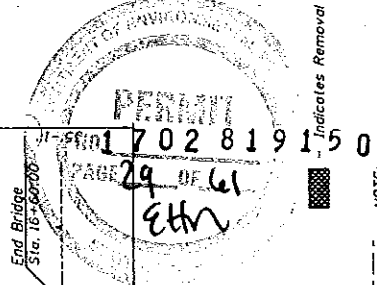
PARTIAL ELEVATION



PARTIAL PLAN



PARTIAL ELEVATION



Indicates Removal

NOTE:
1. Existing piles to be removed to 2' below existing grade.

BRIDGE NO. 4.80218

REMOVAL OF EXISTING STRUCTURES		FLORIDA DEPARTMENT OF TRANSPORTATION		ENGINEER OF RECORD	
PROJECT NO.	SR 10 (US 90) OVER PERDIDO RIVER	PROJECT PRODUCT ID	411118-1-52-01	DATE	12-06
COUNTY	ESCAMBIA	PROJECT PRODUCT ID	411118-1-52-01	DESIGNED BY	S. KORPI, PE
PROJECT NO.	SR 10	PROJECT PRODUCT ID	411118-1-52-01	CHECKED BY	LEP 12-06
PROJECT NO.	SR 10	PROJECT PRODUCT ID	411118-1-52-01	APPROVED BY	S. KORPI, PE

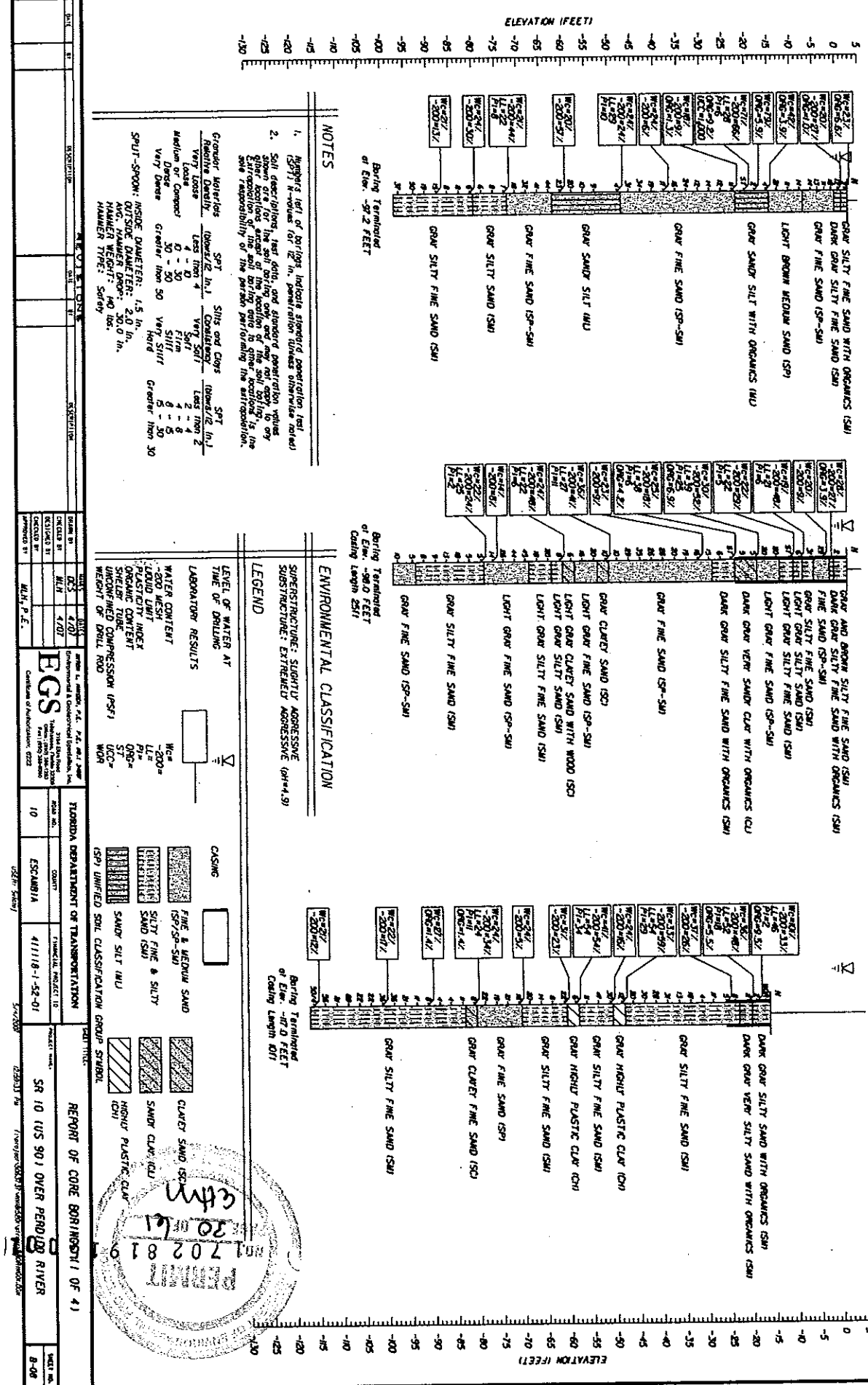
DATE: 12-29-11 3:22:00 PM (1702819150) S. KORPI, PE

SHEET NO. 8-07

BOR # PR-21-43
 STA. 21+43 CENTERLINE
 G.F. 2.0 FEET LEFT
 ELEV. 2.0 FEET
 DATE 2/1/2009
 DRILLER M. ADRIAN
 HAMMER SAFETY
 RIG CHE-55 TRACK

BOR # PR-21-45
 STA. 21+45 CENTERLINE
 G.F. 1.5 FEET RIGHT
 ELEV. 2.0 FEET
 DATE 8/1/2005
 DRILLER M. ADRIAN
 HAMMER SAFETY
 RIG CHE-350X

BOR # PR-22-42
 STA. 22+42 CENTERLINE
 G.F. 27.0 FEET LEFT
 ELEV. -6.0 FEET
 DATE 2/6/2009
 DRILLER M. ADRIAN
 HAMMER SAFETY
 RIG CHE-55 BARBE



NOTES

1. Hammer test of borings indicate standard penetration test (SPT) blow counts (blows per ft.) are generally between 20 and 30.
2. Soil descriptions in feet, color, and standard penetration test (SPT) blow counts (blows per ft.) are given for each boring. Other locations noted on the location of the soil boring. Extent of the soil boring was to obtain the test results. The responsibility of the person performing the interpretation.

ENVIRONMENTAL CLASSIFICATION

SUBSTRUCTURE: SLIGHTLY AGGRESSIVE (SH-4.5)
 SUBSTRUCTURE: EXTREMELY AGGRESSIVE (SH-4.9)

LEGEND

LEVEL OF WATER AT TIME OF DRILLING

LABORATORY RESULTS

WATER CONTENT

SHREDDER TUBE UNWEIGHED COMPRESSION (PSF)

WEIGHT OF DRILL ROD

SP UNIFIED SOIL CLASSIFICATION GROUP SYMBOL

CASING

FINE & MEDIUM SAND (SP-5-SU)

SILT FINE & SILTY SAND (SU)

SAND SILT (AU)

CLAYEY SAND (SC)

SAND CLAY (CU)

HIGHLY PLASTIC CLAY (CH)

REPORT OF CORE BORING (OF 4)

SR 10 (US 90) OVER PERDUE RIVER

DATE 2/1/2009

SCALE 1" = 20'

DATE	2/1/2009	PROJECT NO.	SR 10 (US 90) OVER PERDUE RIVER
SCALE	1" = 20'	CLIENT	FLORIDA DEPARTMENT OF TRANSPORTATION
BY	M.A.	PROJECT NAME	PERDUE RIVER
APP. BY	M.A.	PROJECT NO.	SR 10 (US 90) OVER PERDUE RIVER
DATE	2/1/2009	CLIENT	FLORIDA DEPARTMENT OF TRANSPORTATION
BY	M.A.	PROJECT NAME	PERDUE RIVER
APP. BY	M.A.	PROJECT NO.	SR 10 (US 90) OVER PERDUE RIVER
DATE	2/1/2009	CLIENT	FLORIDA DEPARTMENT OF TRANSPORTATION
BY	M.A.	PROJECT NAME	PERDUE RIVER
APP. BY	M.A.	PROJECT NO.	SR 10 (US 90) OVER PERDUE RIVER

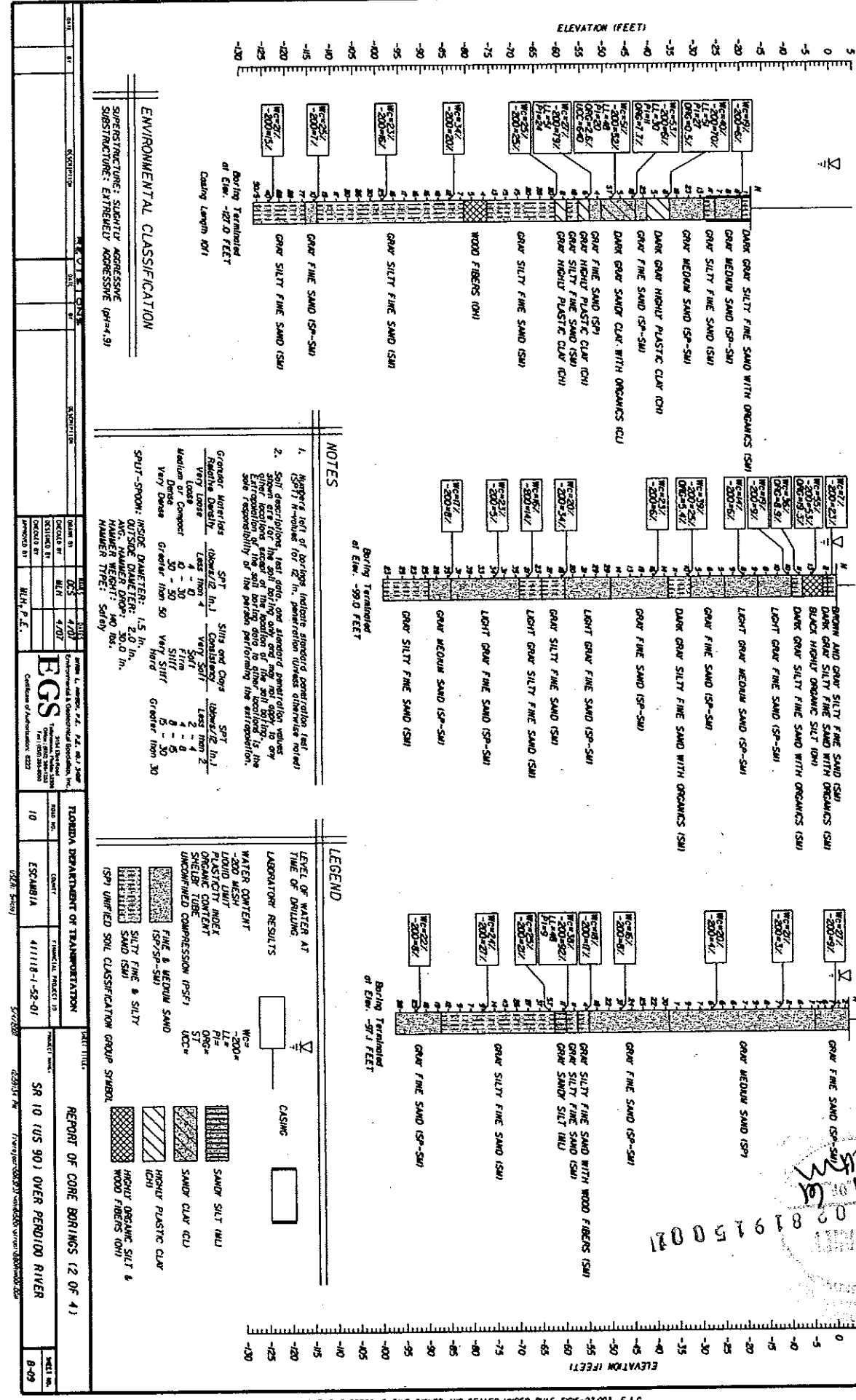
EGS
 Environmental Geotechnical Services, Inc.
 3300 S.W. 15th Ave., Suite 100
 Fort Lauderdale, FL 33315
 Phone: (954) 572-1000
 Fax: (954) 572-1001
 Website: www.egsinc.com

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 60S-23.003, F.A.C.

BOR # PR-23+45
 STA. 23+45 CENTERLINE
 OFF. 6.5 FEET RIGHT
 ELEV. -9.5 FEET
 DATE 2/7/2008
 DRILLER ANDRILL
 HAMMER SAFETY
 NAME CMC-55 GAGE

BOR # PR-24+32
 STA. 24+32 CENTERLINE
 OFF. 23.5 FEET LEFT
 ELEV. 10 FEET
 DATE 6/2/2008
 DRILLER JACOBSON
 HAMMER SAFETY
 NAME CMC-550R

BOR # PR-25+25
 STA. 25+25 CENTERLINE
 OFF. 0.0 FEET RIGHT
 ELEV. 2.9 FEET
 DATE 1/20/2008
 DRILLER ANDRILL
 HAMMER SAFETY
 NAME CMC-55 TRACK



ENVIRONMENTAL CLASSIFICATION
 SUBSTRUCTURE: SLIGHTLY AGGRESSIVE
 SUBSTRUCTURE: EXTREMELY AGGRESSIVE (PH=4.9)

NOTES

1. Where left of borings indicate standard penetration test (SPT) blow counts for 2' in. penetration unless otherwise noted.
2. Soil descriptions, test data, and standard penetration values shown are for the soil boring only and may not apply to any other locations except of the location of the soil boring. It is the sole responsibility of the person performing the interpretation.

LEGEND

LEVEL OF WATER AT TIME OF DRILLING

LABORATORY RESULTS

WATER CONTENT

LIQUID LIMIT

PLASTICITY INDEX

SWELLER INDEX

UNCONSOLIDATED COMPRESSION (PPST)

SP UNIFIED SOIL CLASSIFICATION GROUP SYMBOL

WATER CONTENT

LIQUID LIMIT

PLASTICITY INDEX

SWELLER INDEX

UNCONSOLIDATED COMPRESSION (PPST)

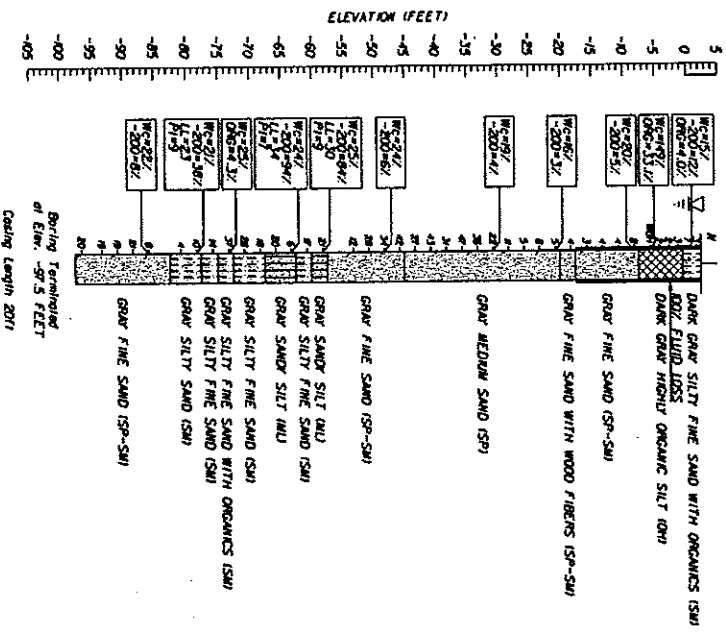
SP UNIFIED SOIL CLASSIFICATION GROUP SYMBOL

EGS
 ENGINEERING & GEOTECHNICAL SERVICES
 1000 N. W. 12th Ave., Suite 100
 Ft. Lauderdale, FL 33304
 Phone: (954) 551-1111
 Fax: (954) 551-1112
 Website: www.egsinc.com

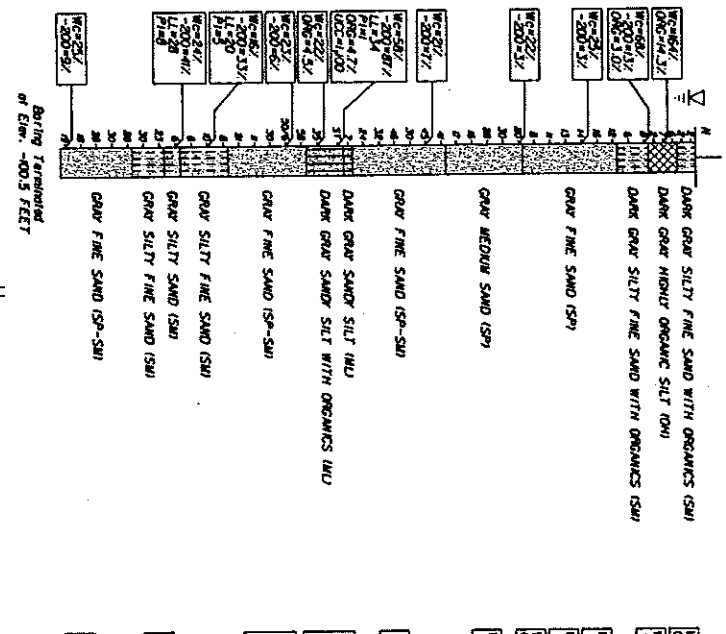
FLORIDA DEPARTMENT OF TRANSPORTATION
 COUNTY: ESCAMBIA
 PROJECT NO.: 411118-1-52-01

REPORT OF CORE BORINGS (2 OF 4)
 SR 10 (US 90) OVER PERDUE RIVER
 SHEET NO. 8-49

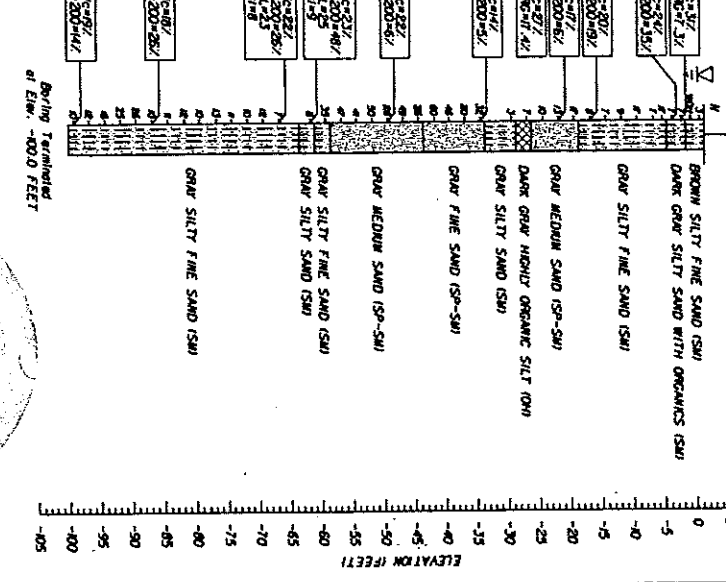
BOR # PR-26+08
 STA. 26+48.2 CENTERLINE
 OFF. 0.5 FEET LEFT
 ELEV. 2.5 FEET
 DATE 1/8/2007
 DRILLER AMORILL
 HAMMER SAFETY
 RIG CHE-55 TRACK



BOR # PR-26+05
 STA. 26+45 CENTERLINE
 OFF. 0.5 FEET RIGHT
 ELEV. 1.0 FEET
 DATE 1/8/2007
 DRILLER AMORILL
 HAMMER SAFETY
 RIG CHE-55 TRACK



BOR # PR-27+83
 STA. 27+83 CENTERLINE
 OFF. 34.5 FEET LEFT
 ELEV. 1.5 FEET
 DATE 1/8/2007
 DRILLER AMORILL
 HAMMER SAFETY
 RIG CHE-55 TRACK



NOTES

- Number's left of bor-log indicate standard penetration test (SPT) N-values for 1/2 in. penetration (unless otherwise noted).
- Soil descriptions, test data, and standard penetration values shown are for the soil boring only and are not applicable to any other borings. Responsibility of the person performing the stratigraphic correlation.

LEGEND

LEVEL OF WATER AT TIME OF DRILLING	CLASING	SOIL CLASSIFICATION
Water Content	Water Content	WE-200*
Liquid Limit	Liquid Limit	UC-*
Plasticity Index	Plasticity Index	UCC-*
Organic Content	Organic Content	UC-*
Shear Tube	Shear Tube	UC-*
Unconfined Compression (USP)	Unconfined Compression (USP)	UC-*
Weight of Hammer	Weight of Hammer	UC-*

ENVIRONMENTAL CLASSIFICATION

SUBSTRUCTURE: SLIGHTLY AGGRESSIVE
 SUBSTRUCTURE: EXTREMELY AGGRESSIVE (PH=4.9)

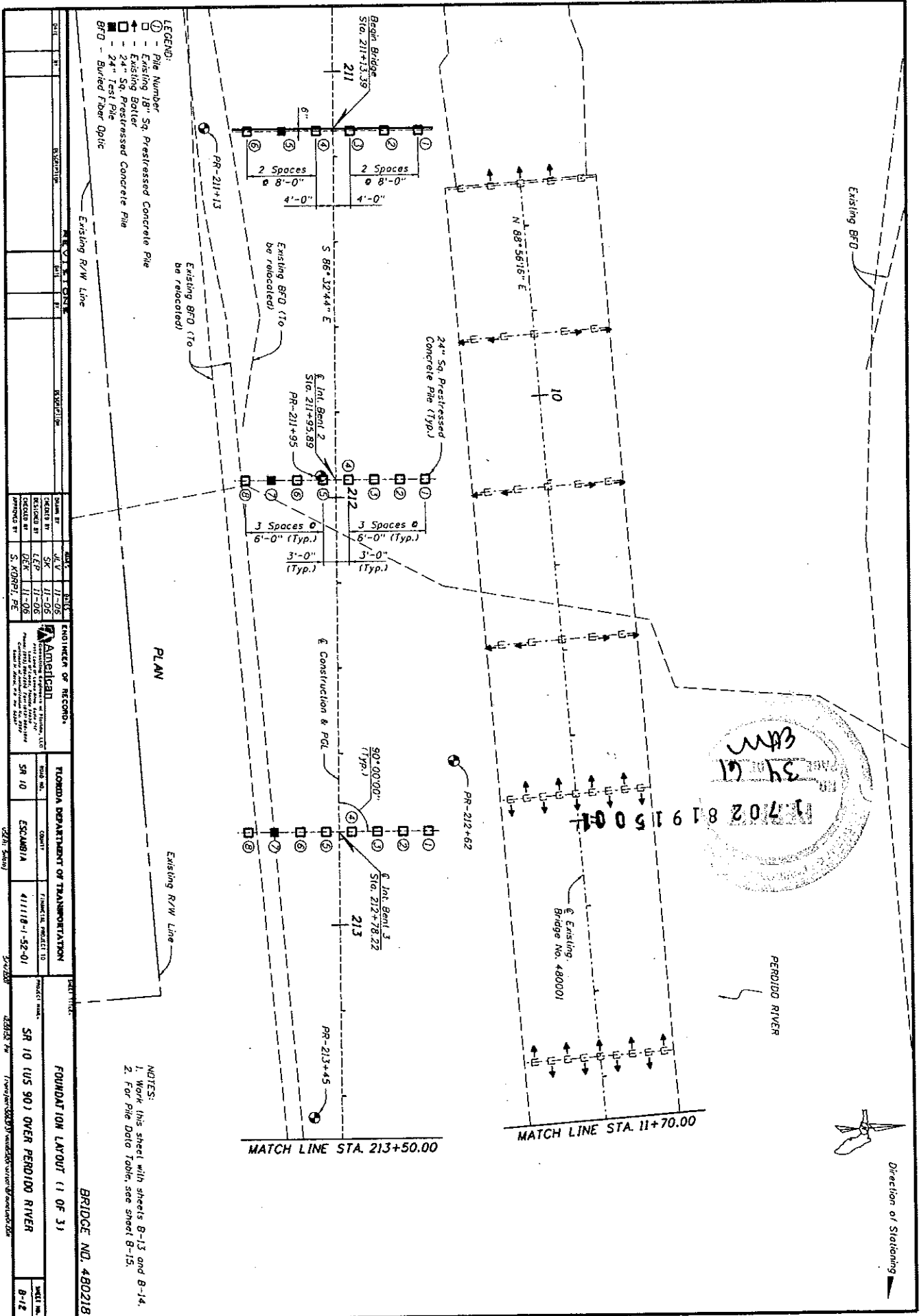
EGS Environmental Geotechnical Services, Inc.
 1414 N. Main Street, Suite 100, Tallahassee, FL 32304
 Phone: (904) 242-2222 Fax: (904) 242-2222
 Website: www.egsinc.com

PROJECT NO. 10
 COUNTY ESCAMBIA
 TALLAHASSEE PROJECT ID 411118-1-52-01
 SR 10 (US 90) OVER PENDLOO RIVER

REPORT OF CORE BORINGS (3 OF 4)

DATE 3/2/2008

PROJECT NO. 8-10



LEGEND:

- ① - Pile Number
- - Existing 18" Sq. Prestressed Concrete Pile
- - Existing 24" Sq. Prestressed Concrete Pile
- - 24" Test Pile
- - Buried Fiber Optic

REVISIONS

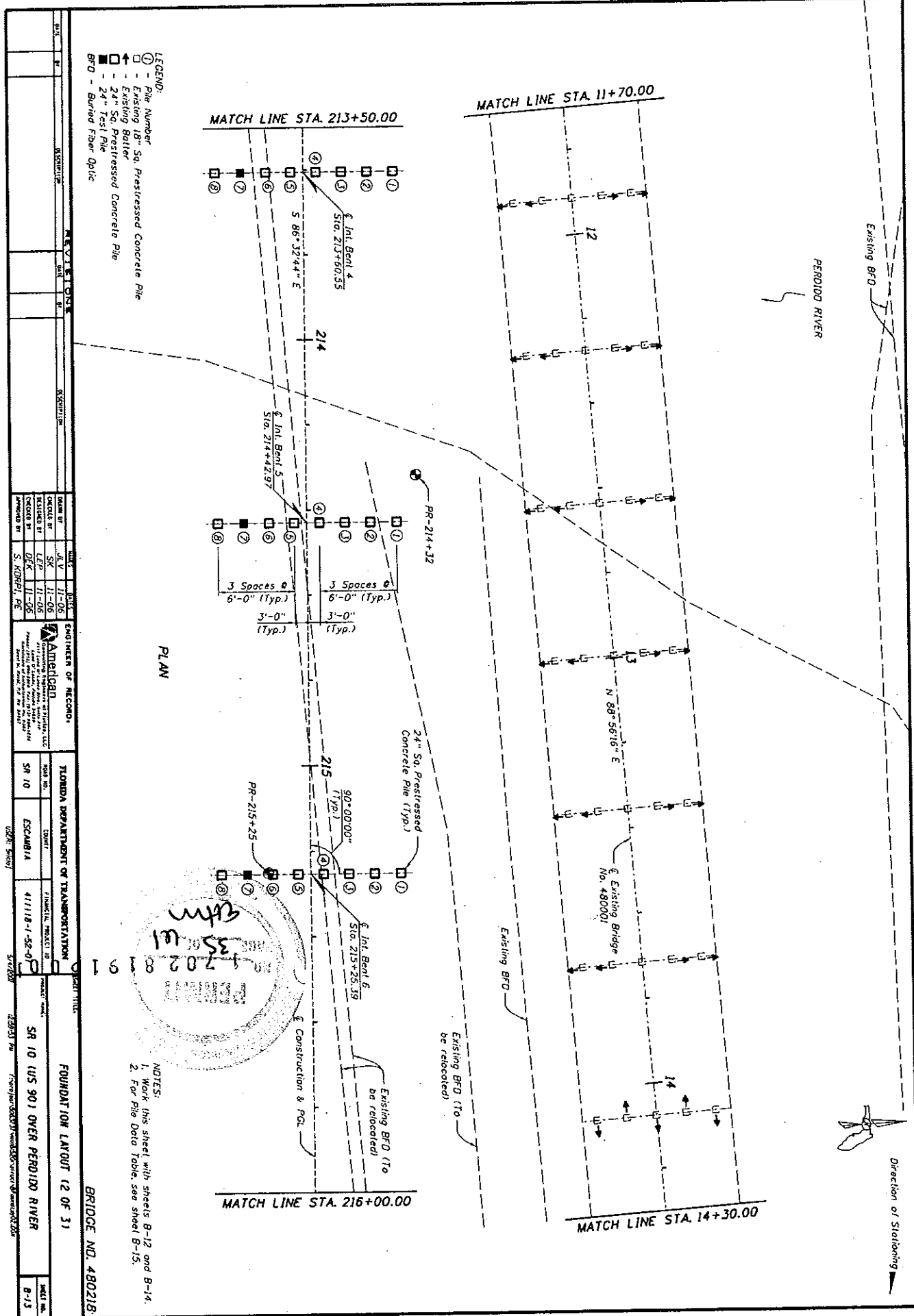
NO.	DATE	DESCRIPTION
1	11-05	AS BUILT
2	11-05	AS BUILT
3	11-05	AS BUILT
4	11-05	AS BUILT
5	11-05	AS BUILT

ENGINEER OF RECORD:
AMERICAN
 PROFESSIONAL ENGINEERS
 1000 N. GULF BLVD., SUITE 100
 TAMPA, FL 33602
 PHONE: (813) 288-1111
 FAX: (813) 288-1112
 WWW: WWW.AMERICANPE.COM

FLORIDA DEPARTMENT OF TRANSPORTATION
 SR 10
 ESCAMBA
 41118-1-52-01

FOUNDATION LAYOUT (1 OF 3)
 SR 10 (US 90) OVER PERDIDO RIVER
 BRIDGE NO. 480218
 SHEET NO. B-12

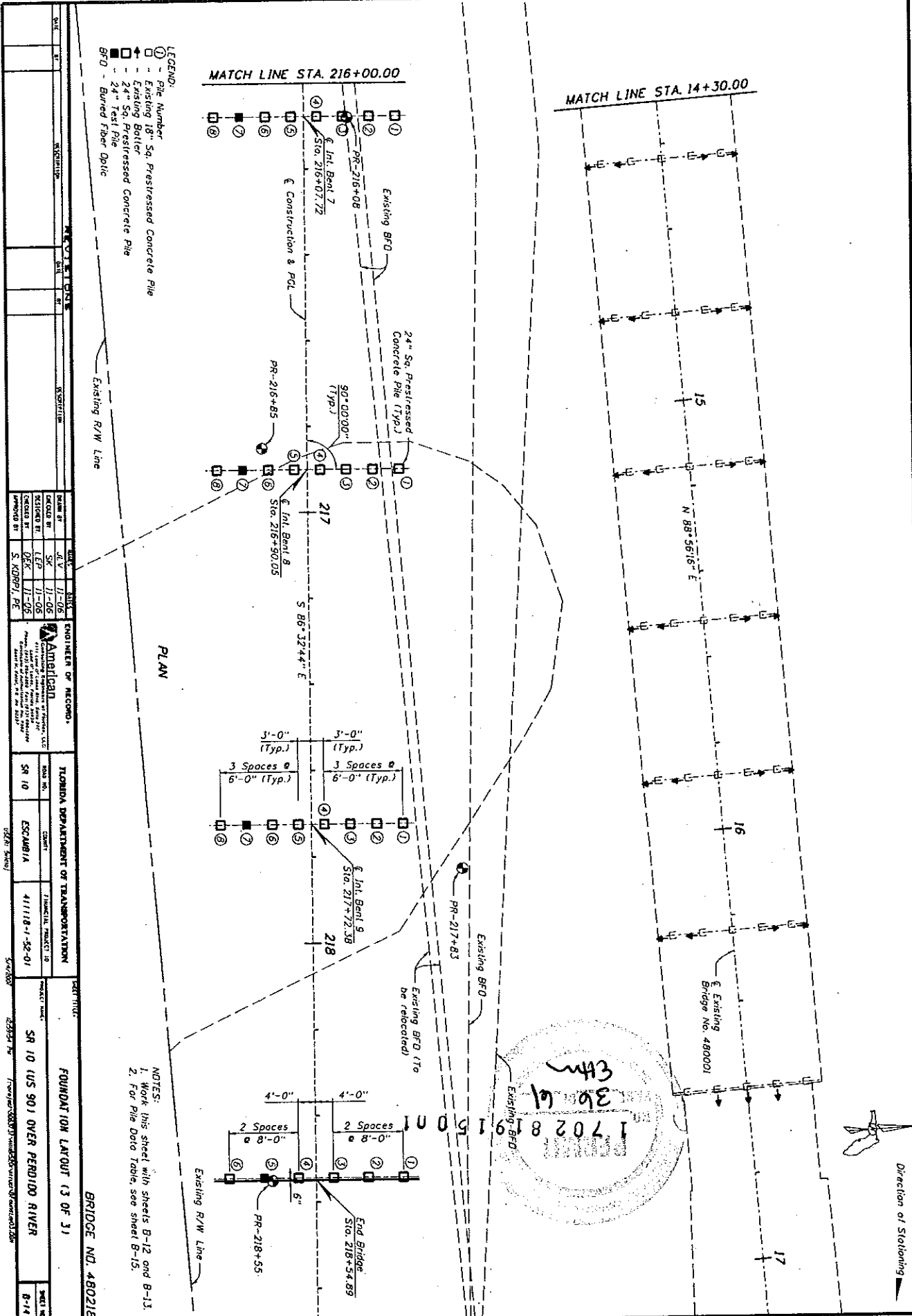
NOTES:
 1. Work this sheet with sheets B-13 and B-14.
 2. For Pile Data Table, see sheet B-15.



- LEGEND:
- ① - Pile Number
 - - Existing 18" Sq. Prestressed Concrete Pile
 - ⊕ - Existing Battered
 - ⊕ - 24" Sq. Prestressed Concrete Pile
 - ⊕ - 24" Test Pile
 - BFO - Buried Fiber Optic

DATE	BY	REVISION	DATE	BY	REVISION
ENGINEER OF RECORD:					
AMELIODA CONSULTING ENGINEERS & ARCHITECTS, P.A. 1101 N. W. 11th Street, Suite 100 Ft. Lauderdale, FL 33304 Phone: (954) 561-1101 Fax: (954) 561-1102 Email: info@amelioda.com					
FLORIDA DEPARTMENT OF TRANSPORTATION	ROAD NO.	PROJECT NO.	PROJECT NO.	PROJECT NO.	PROJECT NO.
	SR 10	ESC48B1A	411118-1-52-0		
FOUNDATION LAYOUT (2 OF 3)					
SR 10 (US 90) OVER PERIDO RIVER					
BRIDGE NO. 480218					
SHEET NO. B-13					

NOTES:
 1. Work this sheet with sheets B-12 and B-14.
 2. For Pile Data Table, see sheet B-15.



- LEGEND:
- ① - Pile Number
 - - Existing 18" Sq. Prestressed Concrete Pile
 - ◻ - Existing Boller
 - ◻ - 24" Sq. Prestressed Concrete Pile
 - ◻ - 24" Test Pile
 - BRD - Buried Fiber Optic

DATE	BY	REVISION
11-06	SR	11-06
11-06	SR	11-06
11-06	SR	11-06

DESIGNED BY	CHECKED BY	APPROVED BY
SR	SR	S. KOPPEL, P.E.

DATE	BY	REVISION
11-06	SR	11-06
11-06	SR	11-06
11-06	SR	11-06

PROJECT NO.	CONTRACT	TITLE
SR 10	ESCUMBIA	FOUNDATION LAYOUT (3 OF 3)

DATE	BY	REVISION
11-06	SR	11-06
11-06	SR	11-06
11-06	SR	11-06

NOTES:
 1. Work this sheet with sheets B-12 and B-13.
 2. For File Data Table, see sheet B-15.

BRIDGE NO. 480218

PILE DATA TABLE

INSTALLATION CRITERIA										DESIGN CRITERIA				
PIER or BENT NUMBER	PILE SIZE (in)	ULTIMATE BEARING CAPACITY (tons)	TENSION CAPACITY (tons)	MINIMUM TENSION ELEVATION (ft)	TEST PILE LENGTH (ft)	REQUIRED TENSION ELEVATION (ft)	REQUIRED PIER ELEVATION (ft)	FACTORED DESIGN LOAD (tons)	DOWN DRAG (tons)	TOTAL SCOUR RESISTANCE (tons)	NET SCOUR RESISTANCE (tons)	100-YEAR SCOUR ELEVATION (ft)	LONG TERM SCOUR ELEVATION (ft)	RESISTANCE FACTOR - ϕ
End Bent 1	24	252	0	-50	110	N/A	N/A	126	38	N/A	N/A	N/A	N/A	0.65
Intermediate Bent 2	24	354	0	-50	115	N/A	N/A	153	0	77	77	-16.5	N/A	0.65
Intermediate Bent 3	24	300	0	-85	125	N/A	N/A	153	0	42	42	-38.9	N/A	0.65
Intermediate Bent 4	24	306	0	-80	145	N/A	N/A	153	0	47	47	-37.0	N/A	0.65
Intermediate Bent 5	24	278	0	-43	110	N/A	N/A	153	0	28	28	-9.7	N/A	0.65
Intermediate Bent 6	24	245	0	-55	110	N/A	N/A	153	0	6	6	-4.9	N/A	0.65
Intermediate Bent 7	24	240	0	-60	110	N/A	N/A	153	0	3	3	-6.1	N/A	0.65
Intermediate Bent 8	24	252	0	-55	95	N/A	N/A	153	0	11	11	-12.3	N/A	0.65
Intermediate Bent 9	24	242	0	-50	120	N/A	N/A	153	0	4	4	-15.1	N/A	0.65
End Bent 10	24	243	0	-34	80	N/A	N/A	126	32	N/A	N/A	N/A	N/A	0.65

PILE CUT-OFF ELEVATIONS	
End Bent 1	23.562
Intermediate Bent 2	24.495
Intermediate Bent 3	25.298
Intermediate Bent 4	25.757
Intermediate Bent 5	25.826
Intermediate Bent 6	26.009
Intermediate Bent 7	25.769
Intermediate Bent 8	25.261
Intermediate Bent 9	24.538
End Bent 10	23.658

Factored Design Load + Net Scour + Down Drag \leq Nominal Bearing Resistance

TENSION CAPACITY - the ultimate side friction capacity that must be obtained below the 100 year scour elevation to resist pullout of the pile.

TOTAL SCOUR RESISTANCE - an estimate of the ultimate static side friction resistance provided by the scourable soil.

NET SCOUR RESISTANCE - on estimate of the ultimate static side friction resistance provided by the soil from the required pilehead or jacking elevation to the scour elevation.

100-YEAR SCOUR - estimated elevation of scour due to the 100 year storm event.

LONG TERM SCOUR - estimated elevation of scour used in design for extreme event loading.

PILE INSTALLATION NOTES:

Contractor to verify location of utilities prior to any pile driving.

Minimum Tip Elevation is required for lateral stability.

No jacking will be allowed without the approval of the Engineer.

All test piles shall be Dynamically Loaded Tested using a Pile Driving Analyzer (PDA) as per Specification 455-5.

At each Bent, pile driving is to commence at the center of the Bent and proceed outward.

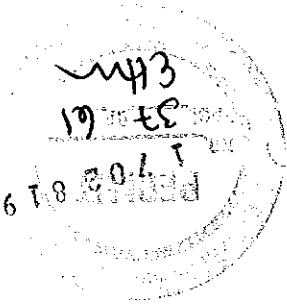
If required, on approved mechanical splice shall be used to obtain test pile and authorized production pile length.

When a required jacking or preformed elevation is not shown on the table, do not jet or preform pile locations without prior written approval of the District Geotechnical Engineer. Do not advance jets or preformed pile holes deeper than the jacking or preformed elevations shown on the table without the prior approval of the District Geotechnical Engineer. If actual jacking or preforming elevations differ from those shown on the table, the District Geotechnical Engineer will determine the required driving resistance.

DATE	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
DATE	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION

DESIGNED BY	DATE	ENGINEER OF RECORD
SKETCHED BY	DATE	
CHECKED BY	DATE	
APPROVED BY	DATE	

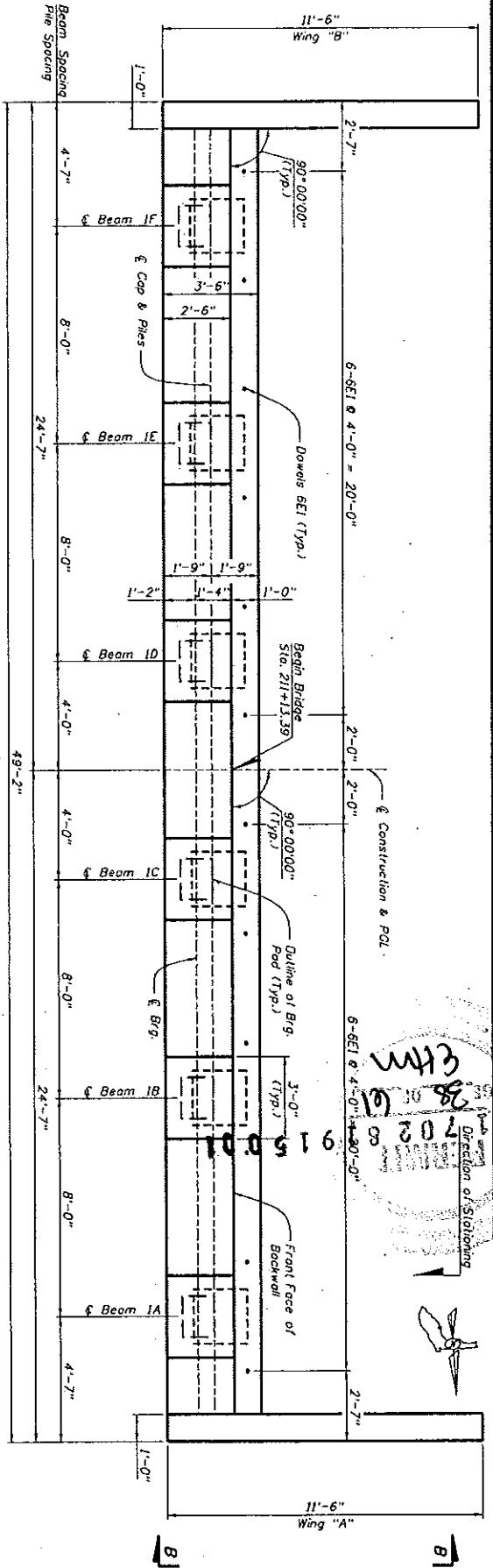
FLORIDA DEPARTMENT OF TRANSPORTATION	PROJECT NO.	SR 10
ESCAMBIA	CONTRACT NO.	41118-1-56-01
BRIDGE NO.	NO.	SR 10 (US 90) OVER PERDIDO RIVER
DATE	NO.	B-15



BRIDGE NO. 480218

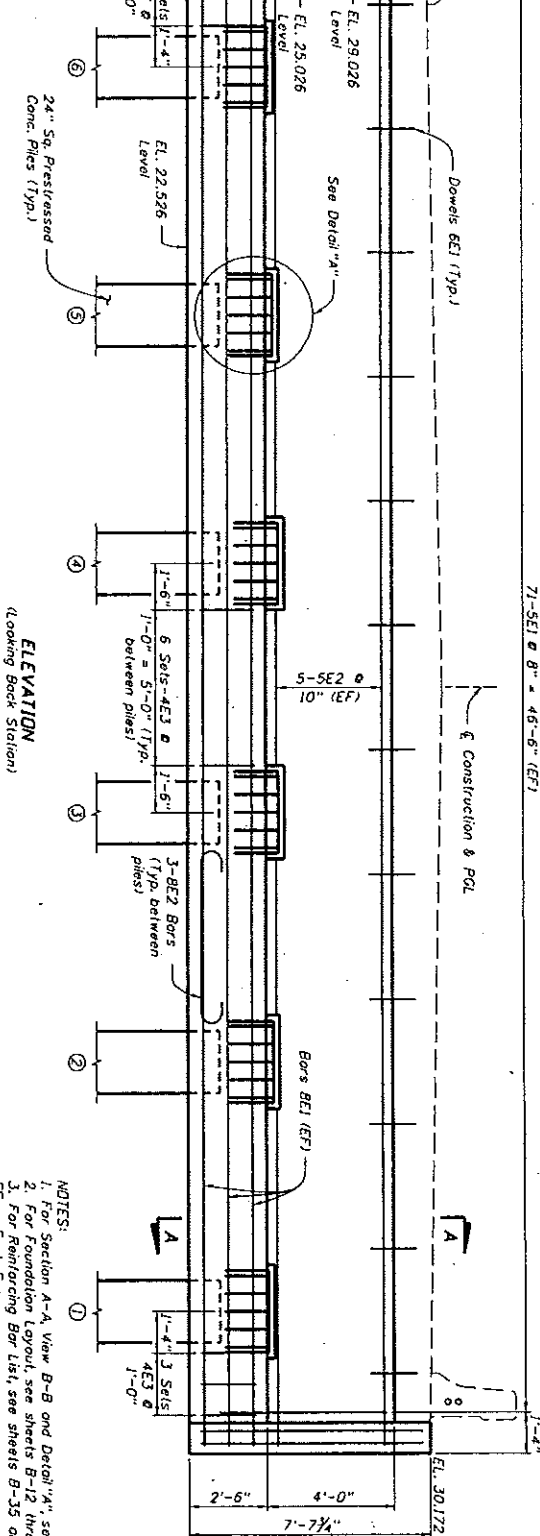
NOTE:
1. For Foundation Layout, see sheets B-12 thru B-14.

PILE DATA TABLE



PLAN
 (Looking Back Station)

LOCATION	ELEVATION
Beam 1A	25.276
Beam 1B	25.450
Beam 1C	25.610
Beam 1D	25.610
Beam 1E	25.450
Beam 1F	25.276



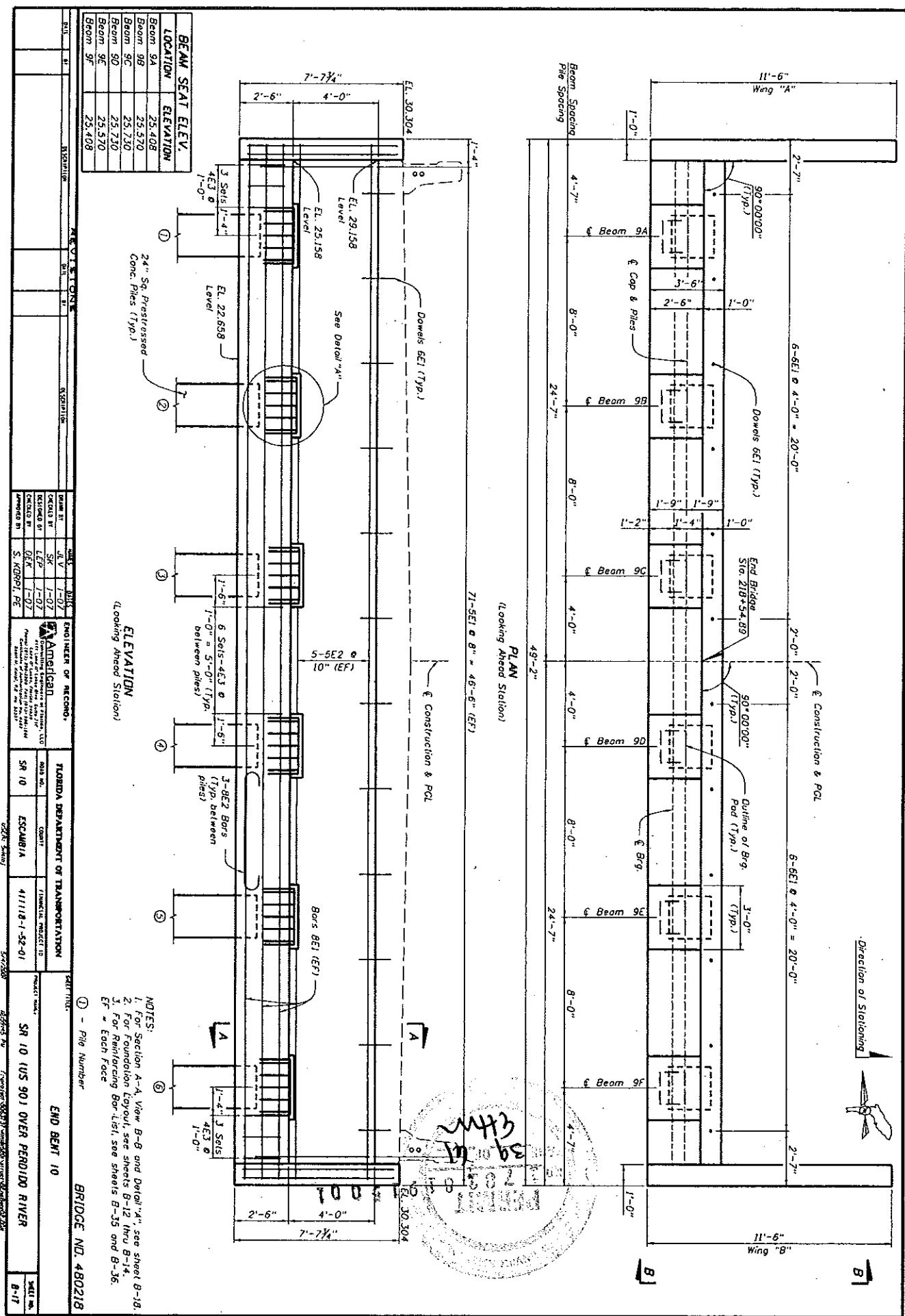
ELEVATION
 (Looking Back Station)

DESIGNER'S RECORD		ENGINEER OF RECORD	
DATE	NO.	DATE	NO.
11/10/07	11	11/10/07	11

DESIGNED BY	SK	1-07
CHECKED BY	DK	1-07
APPROVED BY	S. KORPI, PE	

PROJECT NO.	SR 10 (US 901 OVER PERDIDO RIVER)
DISTRICT	ESCAMBIA
DRAWING NO.	411118-1-52-01
SCALE	B-16

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 605-23.003, F.A.C.



BEAM SEAT ELEV.	LOCATION	ELEVATION
Beam 9A	25.408	25.408
Beam 9B	25.370	25.370
Beam 9C	25.730	25.730
Beam 9E	25.570	25.570
Beam 9F	25.408	25.408

REVISIONS		DATE		BY		CHECKED BY		APPROVED BY	
1	ADD	1-07	J.V.	1-07	J.V.	1-07	J.V.	1-07	J.V.
2	REVISE	1-07	SR	1-07	SR	1-07	SR	1-07	SR
3	REVISE	1-07	SR	1-07	SR	1-07	SR	1-07	SR
4	REVISE	1-07	SR	1-07	SR	1-07	SR	1-07	SR
5	REVISE	1-07	SR	1-07	SR	1-07	SR	1-07	SR

NOTES:
 1. For Section A-A, View B-B and Detail "A", see sheet B-1B.
 2. For Foundation Layout, see sheets B-12 thru B-14.
 3. For Reinforcing Bar List, see sheets B-35 and B-36.
 EF = Each Face

① - Pile Number

END BENT 10
 BRIDGE NDL 480218

SR 10 (US 901 OVER PERDIDO RIVER)
 B-17

FLORIDA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 TALLAHASSEE, FLORIDA 32310-0001

DATE: 1-07

PROJECT NO. SR 10

PROJECT NAME: SR 10 (US 901 OVER PERDIDO RIVER)

PROJECT LOCATION: 411112-1-52-01

PROJECT NUMBER: SR 10

PROJECT DATE: 1-07

PROJECT DRAWN BY: SR

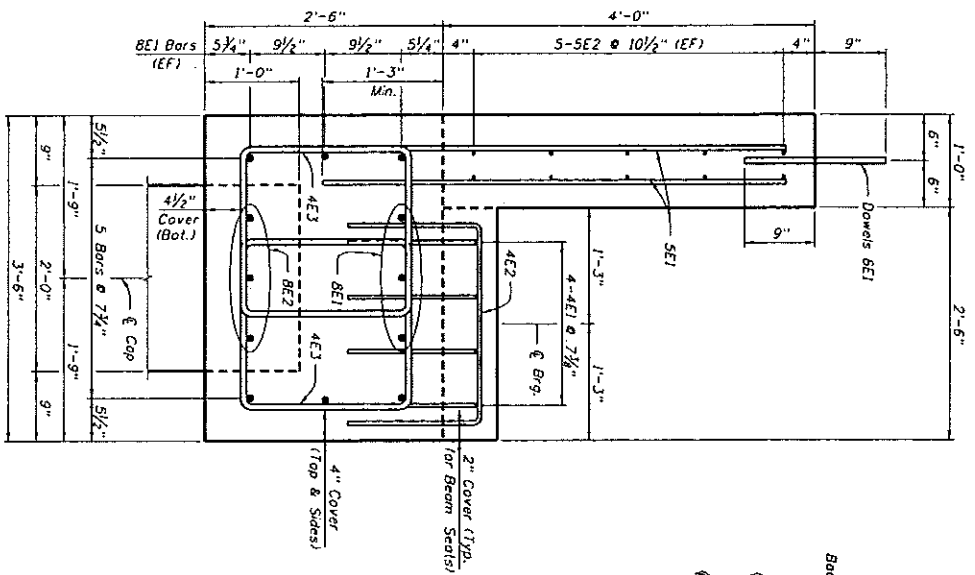
PROJECT CHECKED BY: SR

PROJECT APPROVED BY: SR

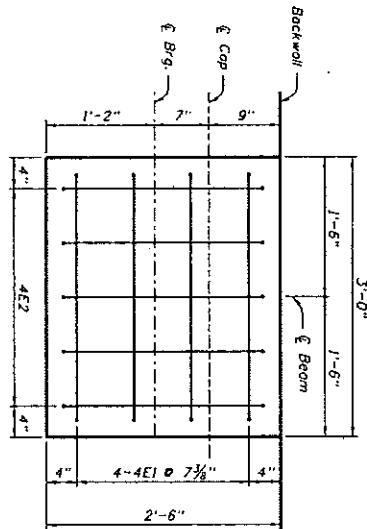
PROJECT SCALE: AS SHOWN

PROJECT SHEET NO. B-17

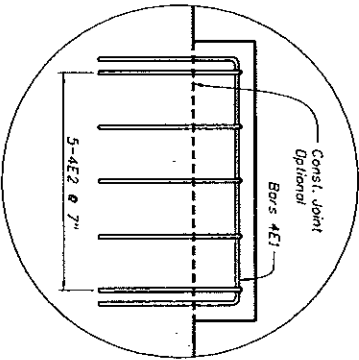
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 69S-23.003, F.A.C.



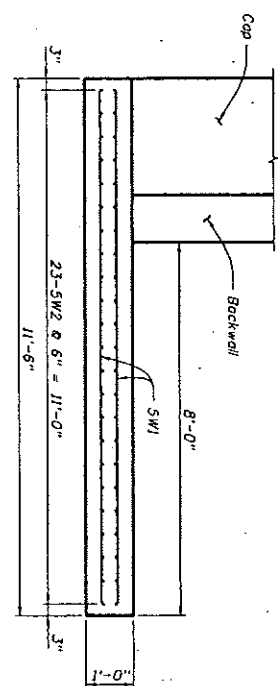
SECTION A-A



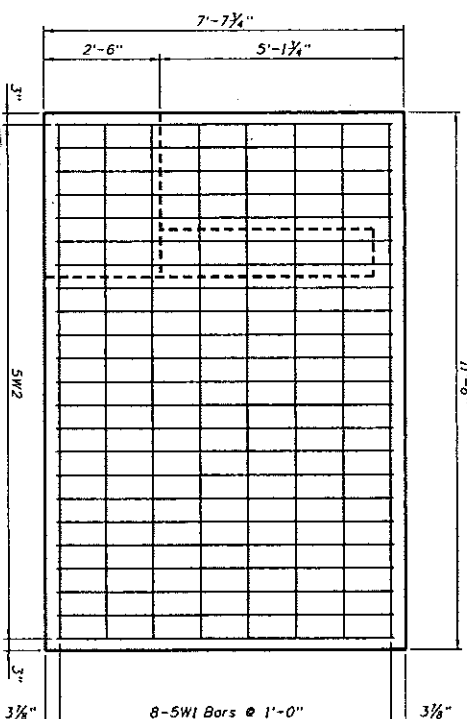
BEAM SEAT PLAN



DETAIL "A"



WINGWALL PLAN
(Wing "A" & Wing "B")



VIEW B-B
(Wing "A" & Wing "B")

ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY	EB 1	EB 10
Class IV Concrete (Substructure)	C.Y.	28.6	28.6	28.6
Reinforcing Steel (Substructure)	LB	3808	3808	3808
24" Sq. Prestressed Concrete Piles	L.F.	**	**	**

BREAKDOWN OF CONCRETE QUANTITIES

ITEM	UNIT	EB 1	EB 10
Cap	C.Y.	14.4	14.4
Backwall	C.Y.	7.0	7.0
Wingwall	C.Y.	6.5	6.5
Pedestals	C.Y.	0.7	0.7
TOTAL	C.Y.	28.6	28.6

BRIDGE NO. 480218

END BENT DETAILS

SR 10 IUS 901 OVER PERDIDO RIVER

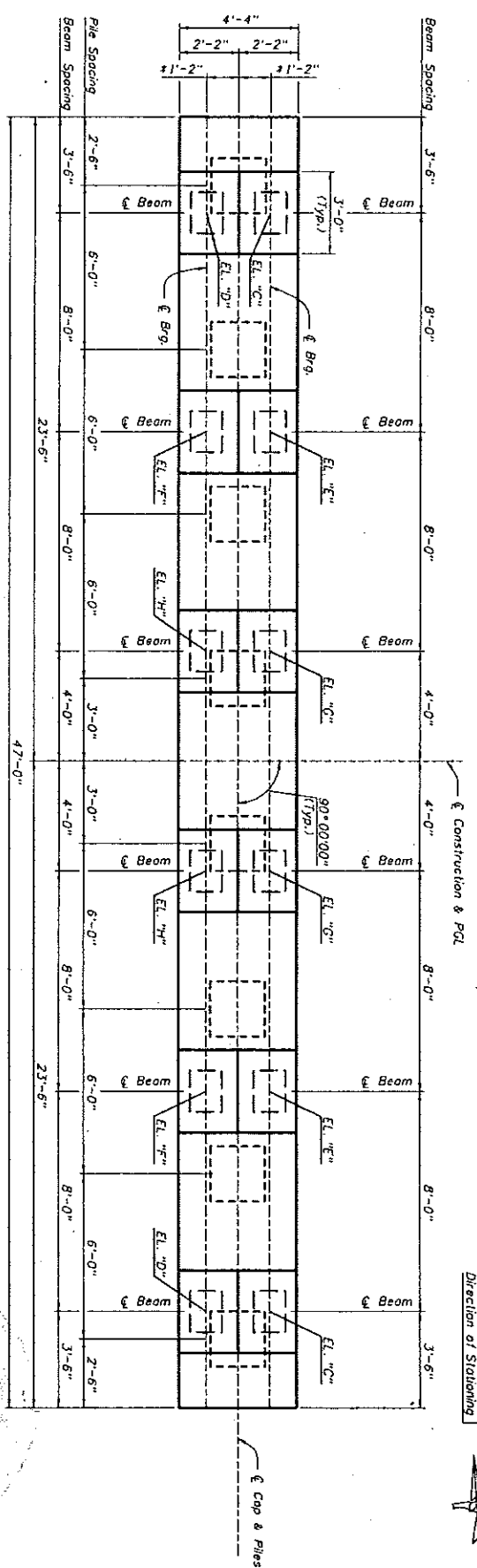
ESCAMBIA

4/11/18-1-55-01

DATE: 5/2/2018

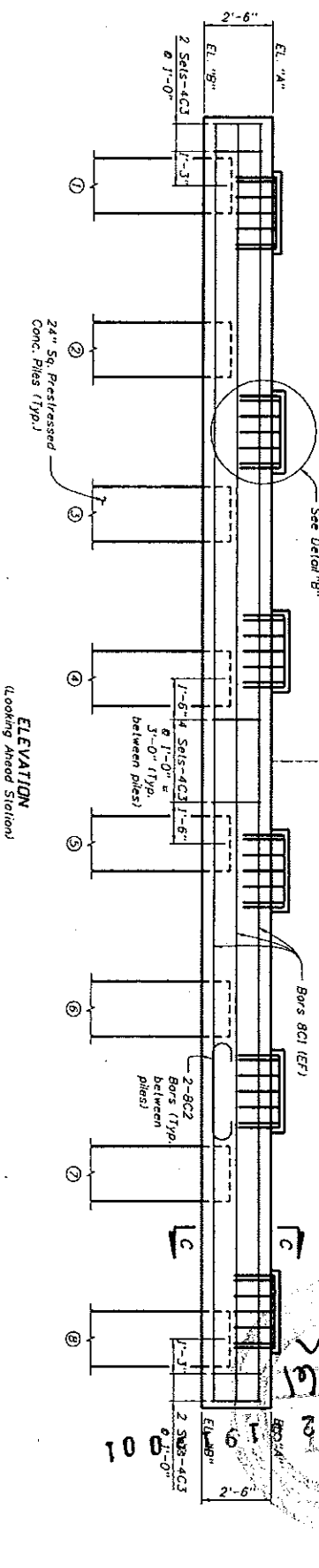
PROJECT NO. 480218

SHEET NO. B-18



*Typical Int. Bents 2-4 and 6-9;
1-3 of Int. Bent 5

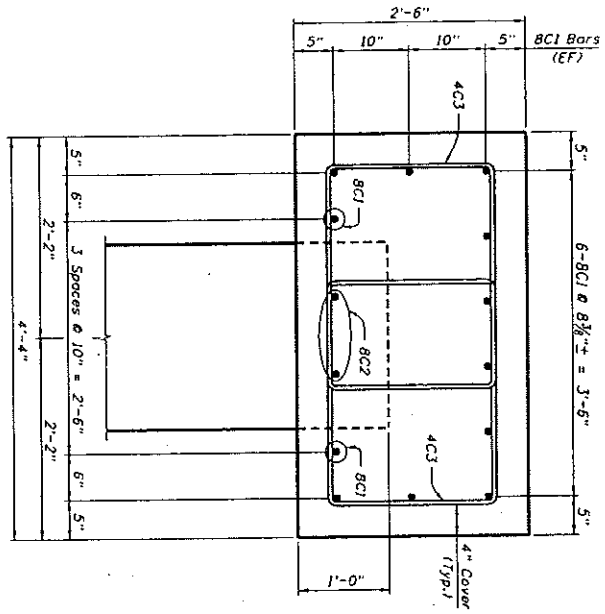
PLAN
(Looking Ahead Station)



ELEVATION
(Looking Ahead Station)

- NOTES:
 1. For Section C-C, Detail 'g' and Elevations, see sheet B-20.
 2. For Foundation Layout, see sheets B-12 thru B-14.
 3. For Reinforcing Bar List, see sheets B-35 and B-36.
 EF = Each Face

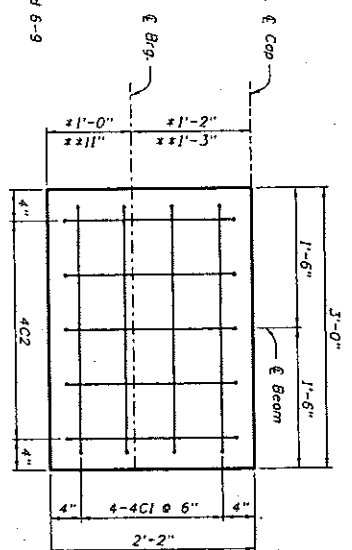
PROJECT DATA		ENGINEER OF RECORD		FLOIDA DEPARTMENT OF TRANSPORTATION		PROJECT TITLE	
DATE	REVISION	DATE	DESCRIPTION	ROAD NO.	COUNTY	PROJECT NO.	INTERMEDIATE BENTS 2 THRU 9
				SR 10	ESCAMBIA	411118-1-52-01	SR 10 (US 90) OVER PERDIDO RIVER
				DESIGNED BY	DATE	APPROVED BY	
				SK	1-07	S. KOBEL, PE	
				CHECKED BY	DATE		
				LEP	1-07		
				D/K	1-07		
				APPROVED BY	DATE		
				S. KOBEL, PE	1-07		
BRIDGE NO. 480218				DRAWN BY			
				SCALE			
				DATE			



1870281915001
 4/26/19
 4/26/19

INTERMEDIATE BENT ELEVATIONS										
INT. BENT NO.	EL. "A"	EL. "B"	EL. "C"	EL. "D"	EL. "E"	EL. "F"	EL. "G"	EL. "H"	EL. "I"	EL. "J"
Int. Bent 2	25.995	23.195	26.215	26.270	26.419	26.444	26.519	26.604	26.699	26.794
Int. Bent 3	26.748	24.248	26.998	27.002	27.172	27.176	27.332	27.336	27.492	27.496
Int. Bent 4	27.251	24.751	27.501	27.505	27.675	27.686	27.835	27.846	27.995	28.006
Int. Bent 5	27.497	24.997	27.747	27.752	27.922	27.921	28.090	28.091	28.260	28.261
Int. Bent 6	27.509	25.009	27.762	27.769	27.939	27.933	28.096	28.093	28.263	28.264
Int. Bent 7	27.269	24.769	27.519	27.524	27.694	27.693	27.854	27.853	28.014	28.015
Int. Bent 8	26.761	24.261	27.082	27.087	27.257	27.256	27.416	27.415	27.576	27.575
Int. Bent 9	26.036	23.536	26.286	26.291	26.461	26.462	26.622	26.621	26.782	26.781

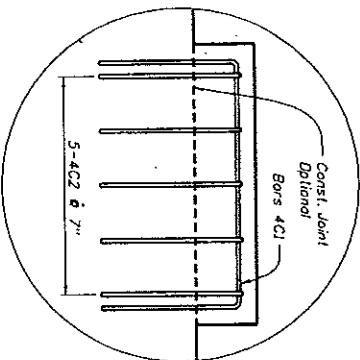
NOTE:
1. Beam Seat Elevations "C" thru "H" are located at \bar{c} Beam and \bar{c} Bearing.



BREAKDOWN OF CONCRETE QUANTITIES									
ITEM	UNIT	IB 2	IB 3	IB 4	IB 5	IB 6	IB 7	IB 8	IB 9
Class IV Concrete (Substructure)	C.Y.	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
Reinforcing Steel (Substructure)	L.B.	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3
24" Sq. Prestressed Concrete Piles	L.F.	18.9	18.9	18.9	18.9	18.9	18.9	19.0	19.0

ESTIMATED QUANTITIES									
ITEM	UNIT	IB 2	IB 3	IB 4	IB 5	IB 6	IB 7	IB 8	IB 9
Class IV Concrete (Substructure)	C.Y.	18.9	18.9	18.9	18.9	18.9	18.9	19.0	19.0
Reinforcing Steel (Substructure)	L.B.	2455	2455	2455	2455	2455	2455	2455	2455
24" Sq. Prestressed Concrete Piles	L.F.	**	**	**	**	**	**	**	**

NOTES:
1. For location of Section C-C, Detail "B" and Elevations, see sheet B-15.
2. For Reinforcing Bar List, see sheets B-35 and B-36.
EF = Each Face

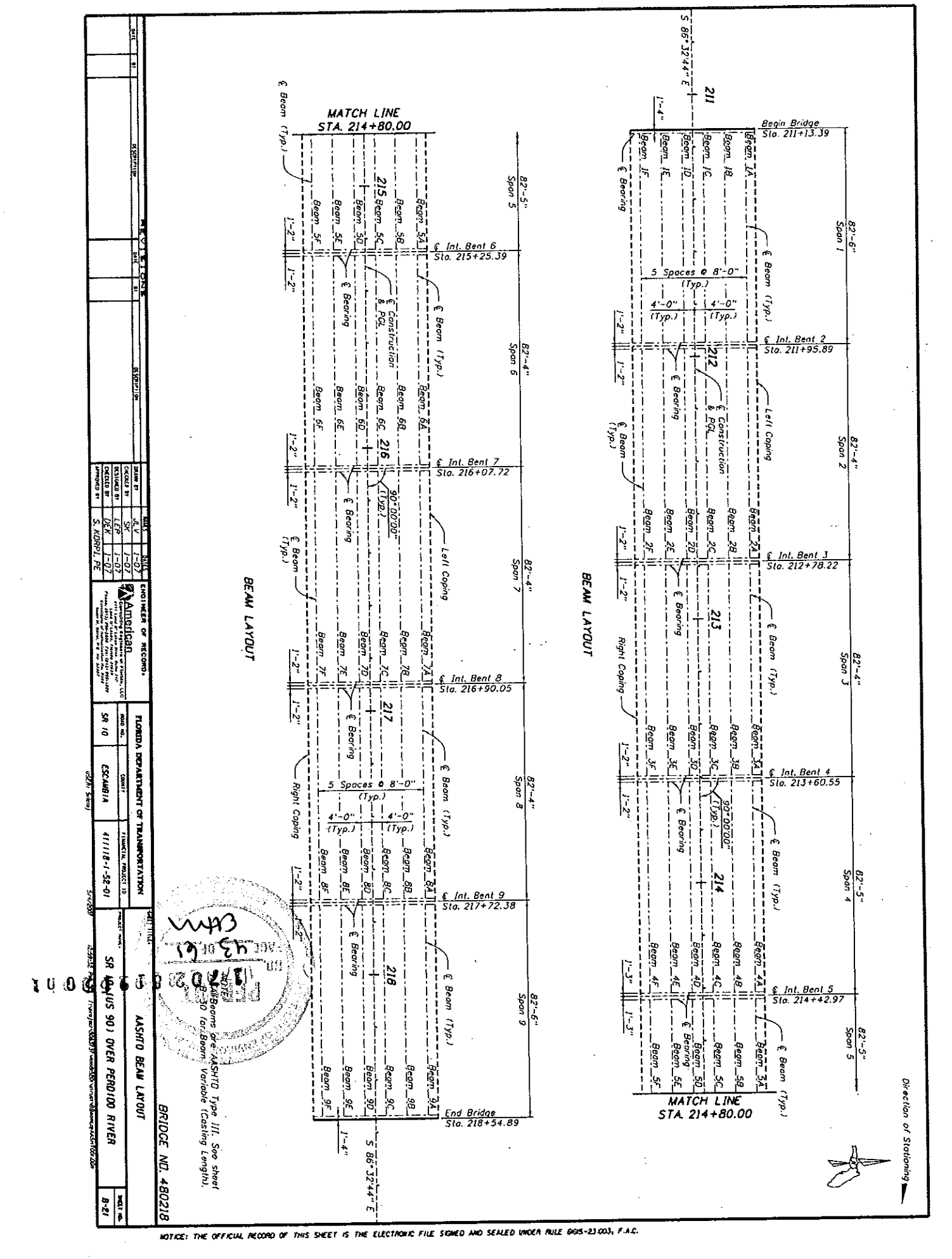


BRIDGE NO. 480218

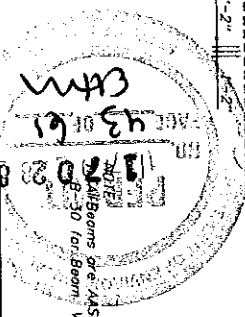
ENGINEER OF RECORD:
 American
 1111 N. W. 11th St.
 Ft. Lauderdale, FL 33304
 Phone: (561) 533-1111
 Fax: (561) 533-1112

FLORIDA DEPARTMENT OF TRANSPORTATION
 ROAD NO. COUNTY
 SR 10 ESCROWIA 411118-1-52-01

PROJECT: INTERMEDIATE BENT DETAILS
 SR 10 (US 90) OVER PERDIDO RIVER
 B-20

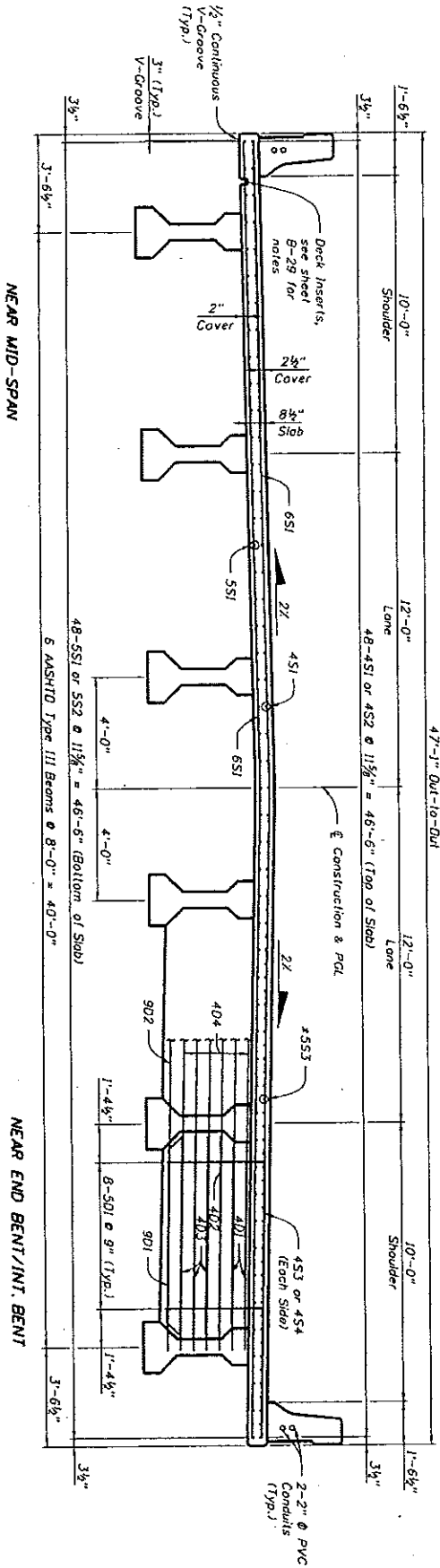


DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
DESIGNER AMERICAN ENGINEERS OF RECORD 1101 N. W. 10th St. Ft. Lauderdale, FL 33304 Phone: (954) 333-3333 Fax: (954) 333-3334			CHECKED BY J.V. 1-07		
DRAWN BY S.K. 1-07			SCALE AS SHOWN		
PROJECT NO. SR 10			COUNTY ESCAMBIA		
PROJECT NAME SR 90 OVER PERDUE RIVER			PROJECT NO. 411118-1-58-01		
SHEET NO. B-21			TOTAL SHEETS 2		



BRIDGE NO. 480218

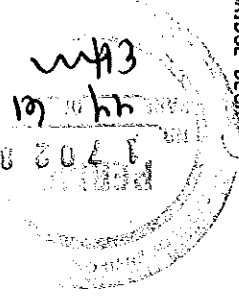
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 69S-23.003, F.A.C.



TYPICAL SECTION THROUGH BRIDGE DECK

NEAR END BENT/INT. BENT

* S53 Bars between 451 or 452 Bars are located only near Int. Bents 2 thru 4 and 6 thru 9. Top of Slab only.



NOTE:
For Reinforcing Bar List, see sheets B-35 and B-36.

BRIDGE NO. 480218

REVISIONS		REVISIONS		REVISIONS		REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE

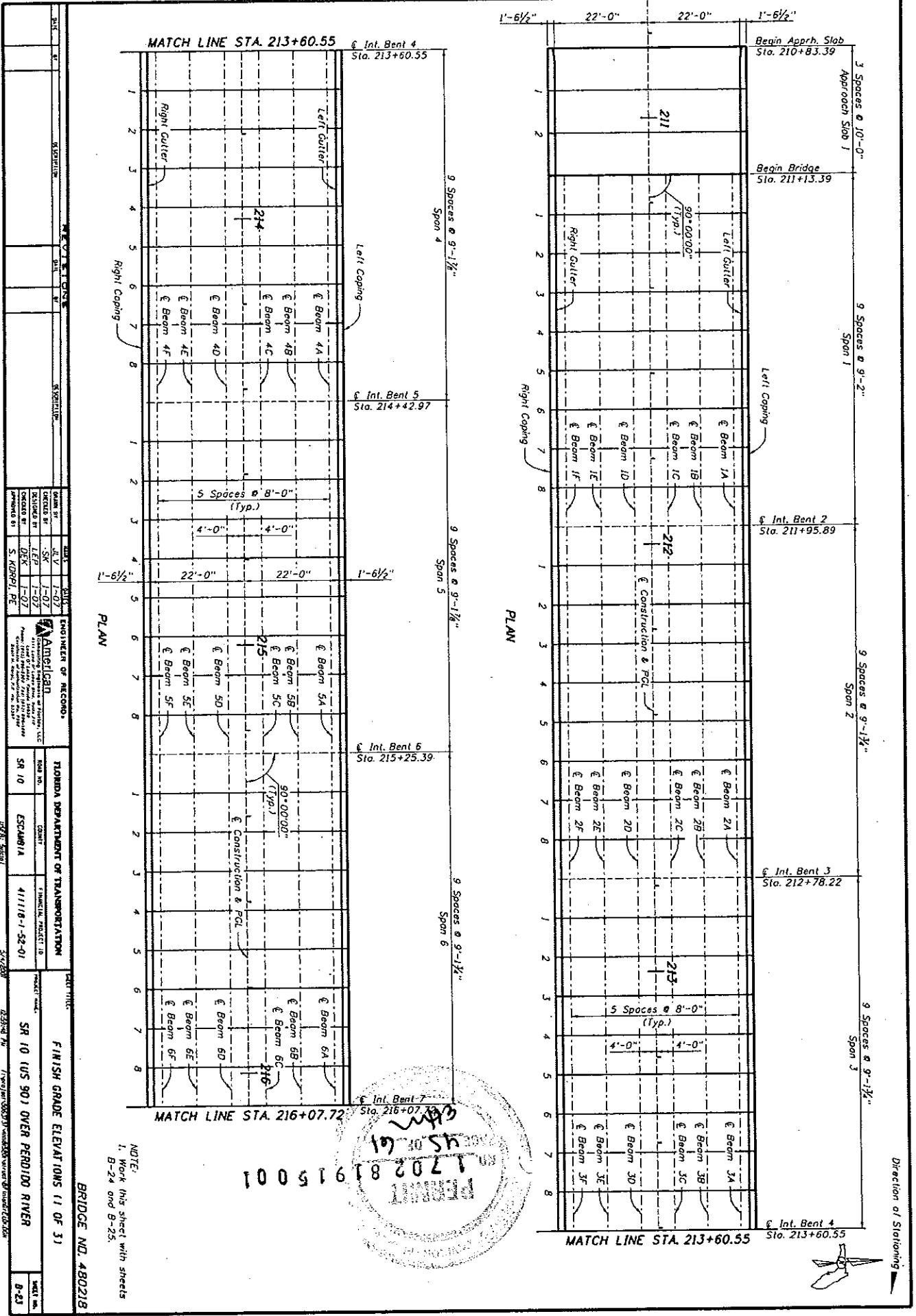
DATE		SCALE		PROJECT NO.	

DESIGNED BY		CHECKED BY		DATE	

ENGINEER OF RECORD			

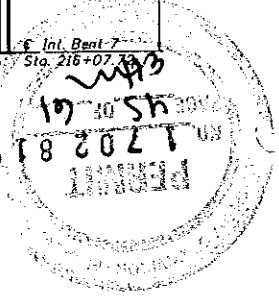
FLORIDA DEPARTMENT OF TRANSPORTATION	

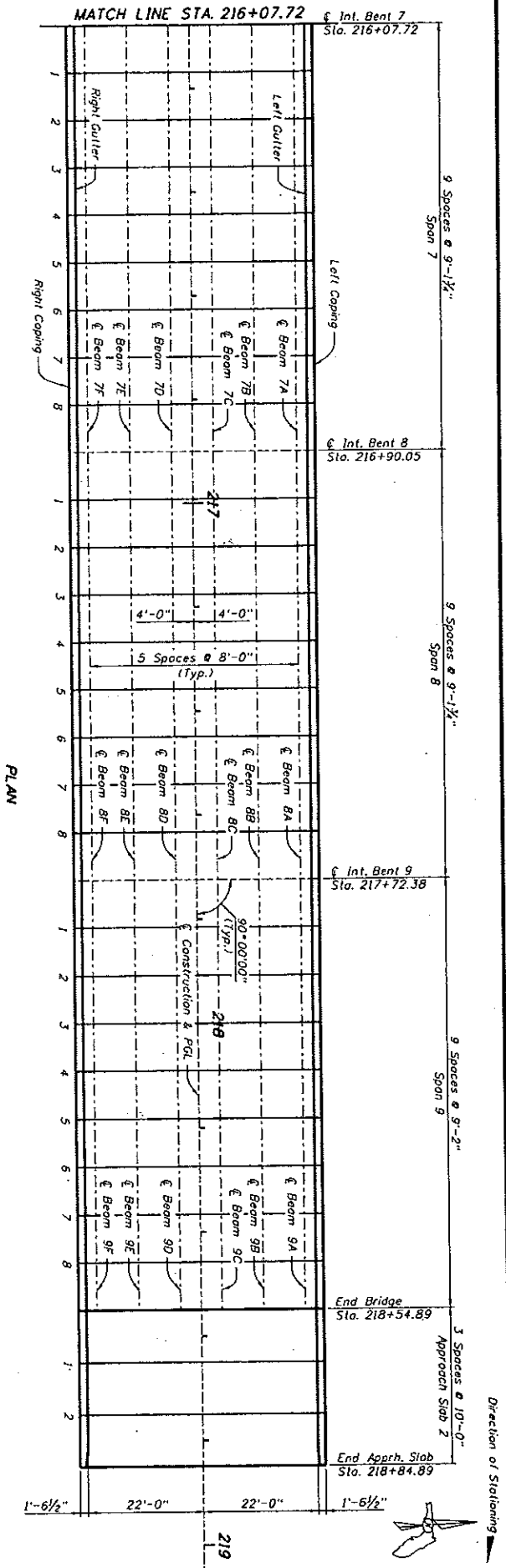
PROJECT TITLE	
TYPICAL SECTION THROUGH BRIDGE DECK	



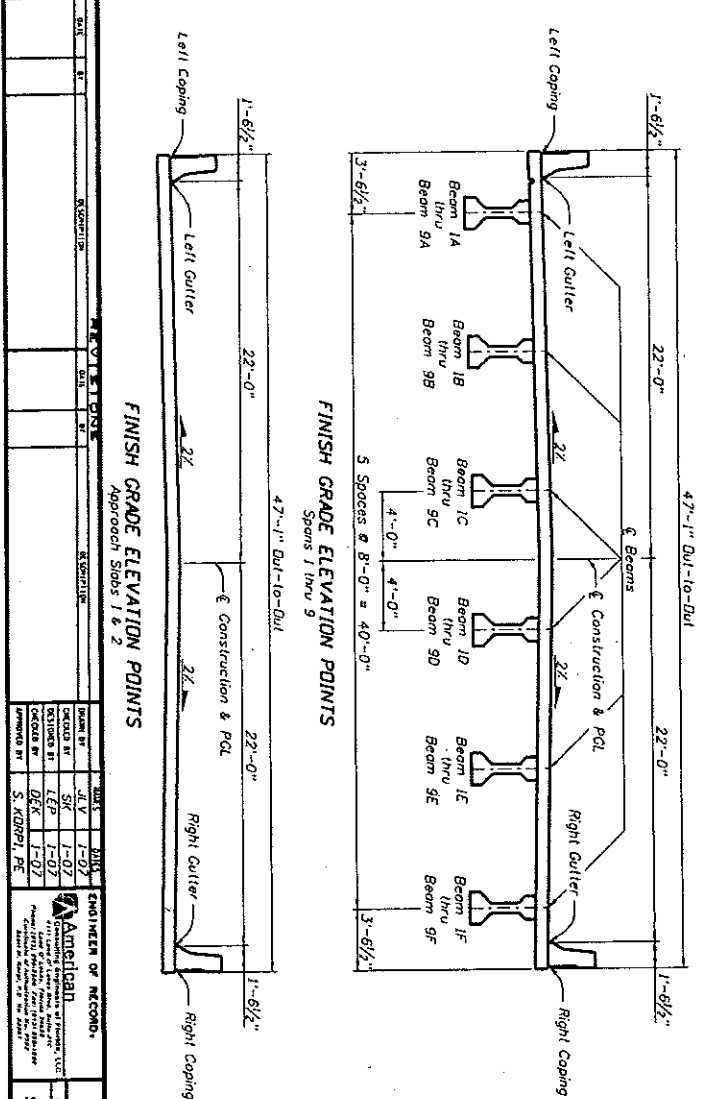
DATE	REVISION	BY	CHKD	APP'D
DESIGNED BY	SCALE	DATE	ENGINEER OF RECORD	
STANDARD	AS SHOWN	1-07	Amelcan	
REVISION		1-07	Amelcan Engineering & Survey, Inc.	
DATE		1-07	Professional Engineers & Surveyors, Inc.	
BY			1000 N. W. 10th St., Suite 1000	
BY			Miami, Florida 33136	
BY			FLORIDA DEPARTMENT OF TRANSPORTATION	
BY			SR 10	
BY			ESCROW #1	
BY			411118-1-52-01	
BY			SR 10 (US 90) OVER PERDIDO RIVER	
BY			BRIDGE NO. 480218	
BY			FINISH GRADE ELEVATIONS (1 OF 3)	
BY			SR 10 (US 90) OVER PERDIDO RIVER	
BY			BRIDGE NO. 480218	

NOTE:
1. Work this sheet with sheets B-24 and B-25.





PLAN



FINISH GRADE ELEVATION POINTS

DATE	BY	REVISION	DESCRIPTION
01/11/07	SK	1-07	DESIGNED BY
01/11/07	LEP	1-07	CHECKED BY
01/11/07	DK	1-07	APPROVED BY

DESIGNED BY	SK	1-07	ENGINEER OF RECORD
CHECKED BY	LEP	1-07	AMERICAN
APPROVED BY	DK	1-07	PROFESSIONAL ENGINEER

FLORIDA DEPARTMENT OF TRANSPORTATION	PROJECT NO.	SR 10 (US 901 OVER PERDIDO RIVER)
CHART	PROJECT ID	SR 10 (US 901 OVER PERDIDO RIVER)
SCALE	DATE	02/28/07

BRIDGE NO. 480218

NOTE: 1. Work this sheet with sheets B-23 and B-25.

LOCATION		LEFT		RIGHT		CONSTR.		RIGHT	
FTW	EB	COPING	QUITTER	BEAM	CONSTR.	BEAM	CONSTR.	BEAM	CONSTR.
1	1	30,025	30,096	30,096	30,235	30,416	30,416	30,416	30,416
2	2	30,148	30,179	30,219	30,319	30,519	30,519	30,519	30,519
3	3	30,269	30,289	30,319	30,499	30,619	30,619	30,619	30,619
4	4	30,386	30,417	30,457	30,617	30,717	30,717	30,717	30,717
5	5	30,500	30,531	30,571	30,731	30,831	30,831	30,831	30,831
6	6	30,611	30,642	30,682	30,842	30,942	30,942	30,942	30,942
7	7	30,719	30,750	30,790	30,950	31,050	31,050	31,050	31,050
8	8	30,824	30,855	30,895	31,055	31,155	31,155	31,155	31,155
9	9	30,926	30,956	30,996	31,156	31,256	31,256	31,256	31,256
10	10	31,024	31,055	31,095	31,255	31,355	31,355	31,355	31,355

LOCATION		LEFT		RIGHT		CONSTR.		RIGHT	
FTW	EB	COPING	QUITTER	BEAM	CONSTR.	BEAM	CONSTR.	BEAM	CONSTR.
1	1	30,025	30,096	30,096	30,235	30,416	30,416	30,416	30,416
2	2	30,148	30,179	30,219	30,319	30,519	30,519	30,519	30,519
3	3	30,269	30,289	30,319	30,499	30,619	30,619	30,619	30,619
4	4	30,386	30,417	30,457	30,617	30,717	30,717	30,717	30,717
5	5	30,500	30,531	30,571	30,731	30,831	30,831	30,831	30,831
6	6	30,611	30,642	30,682	30,842	30,942	30,942	30,942	30,942
7	7	30,719	30,750	30,790	30,950	31,050	31,050	31,050	31,050
8	8	30,824	30,855	30,895	31,055	31,155	31,155	31,155	31,155
9	9	30,926	30,956	30,996	31,156	31,256	31,256	31,256	31,256
10	10	31,024	31,055	31,095	31,255	31,355	31,355	31,355	31,355

LOCATION		LEFT		RIGHT		CONSTR.		RIGHT	
FTW	EB	COPING	QUITTER	BEAM	CONSTR.	BEAM	CONSTR.	BEAM	CONSTR.
1	1	30,025	30,096	30,096	30,235	30,416	30,416	30,416	30,416
2	2	30,148	30,179	30,219	30,319	30,519	30,519	30,519	30,519
3	3	30,269	30,289	30,319	30,499	30,619	30,619	30,619	30,619
4	4	30,386	30,417	30,457	30,617	30,717	30,717	30,717	30,717
5	5	30,500	30,531	30,571	30,731	30,831	30,831	30,831	30,831
6	6	30,611	30,642	30,682	30,842	30,942	30,942	30,942	30,942
7	7	30,719	30,750	30,790	30,950	31,050	31,050	31,050	31,050
8	8	30,824	30,855	30,895	31,055	31,155	31,155	31,155	31,155
9	9	30,926	30,956	30,996	31,156	31,256	31,256	31,256	31,256
10	10	31,024	31,055	31,095	31,255	31,355	31,355	31,355	31,355

LOCATION		LEFT		RIGHT		CONSTR.		RIGHT	
FTW	EB	COPING	QUITTER	BEAM	CONSTR.	BEAM	CONSTR.	BEAM	CONSTR.
1	1	30,025	30,096	30,096	30,235	30,416	30,416	30,416	30,416
2	2	30,148	30,179	30,219	30,319	30,519	30,519	30,519	30,519
3	3	30,269	30,289	30,319	30,499	30,619	30,619	30,619	30,619
4	4	30,386	30,417	30,457	30,617	30,717	30,717	30,717	30,717
5	5	30,500	30,531	30,571	30,731	30,831	30,831	30,831	30,831
6	6	30,611	30,642	30,682	30,842	30,942	30,942	30,942	30,942
7	7	30,719	30,750	30,790	30,950	31,050	31,050	31,050	31,050
8	8	30,824	30,855	30,895	31,055	31,155	31,155	31,155	31,155
9	9	30,926	30,956	30,996	31,156	31,256	31,256	31,256	31,256
10	10	31,024	31,055	31,095	31,255	31,355	31,355	31,355	31,355

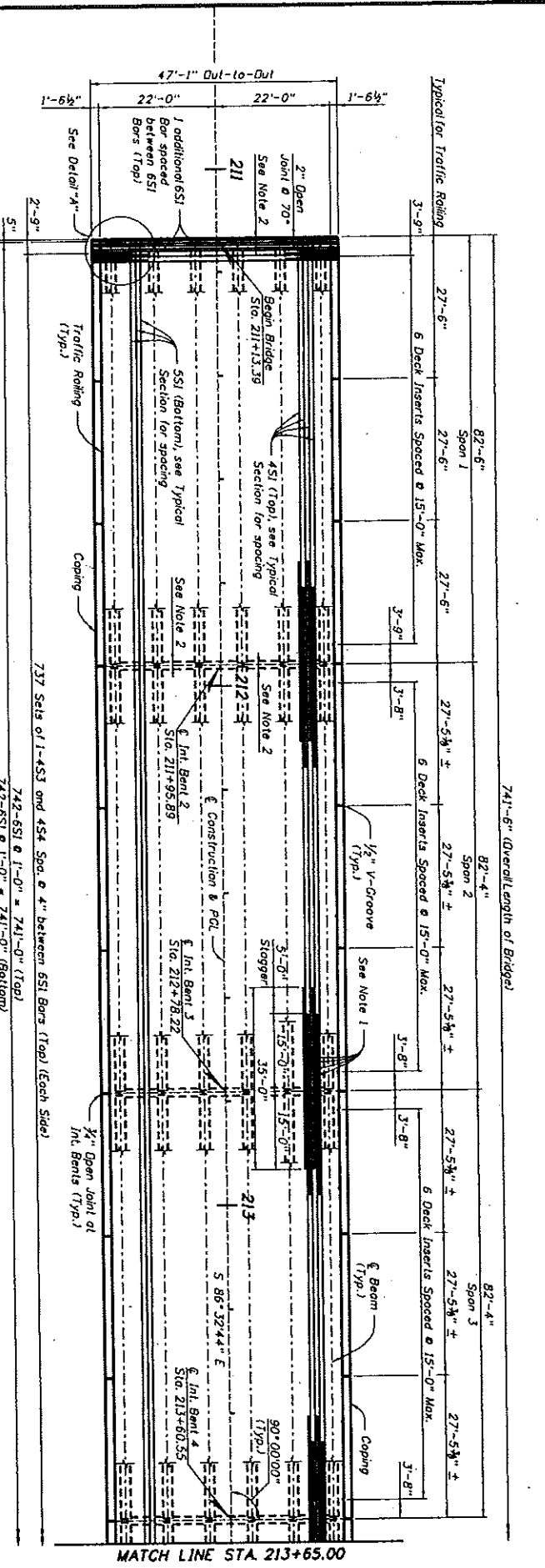
LOCATION		LEFT		RIGHT		CONSTR.		RIGHT	
FTW	EB	COPING	QUITTER	BEAM	CONSTR.	BEAM	CONSTR.	BEAM	CONSTR.
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2	2	30,148	30,179	30,219	30,319	30,519	30,519	30,519	30,519
3	3	30,269	30,289	30,319	30,499	30,619	30,619	30,619	30,619
4	4	30,386	30,417	30,457	30,617	30,717	30,717	30,717	30,717
5	5	30,500	30,531	30,571	30,731	30,831	30,831	30,831	30,831
6	6	30,611	30,642	30,682	30,842	30,942	30,942	30,942	30,942
7	7	30,719	30,750	30,790	30,950	31,050	31,050	31,050	31,050
8	8	30,824	30,855	30,895	31,055	31,155	31,155	31,155	31,155
9	9	30,926	30,956	30,996	31,156	31,256	31,256	31,256	31,256
10	10	31,024	31,055	31,095	31,255	31,355	31,355	31,355	31,355

LOCATION		LEFT		RIGHT		CONSTR.		RIGHT	
FTW	EB	COPING	QUITTER	BEAM	CONSTR.	BEAM	CONSTR.	BEAM	CONSTR.
1	1	30,025	30,096	30,096	30,235	30,416	30,416	30,416	30,416
2	2	30,148	30,179	30,219	30,319	30,519	30,519	30,519	30,519
3	3	30,269	30,289	30,319	30,499	30,619	30,619	30,619	30,619
4	4	30,386	30,417	30,457	30,617	30,717	30,717	30,717	30,717
5	5	30,500	30,531	30,571	30,731	30,831	30,831	30,831	30,831
6	6	30,611	30,642	30,682	30,842	30,942	30,942	30,942	30,942
7	7	30,719	30,750	30,790	30,950	31,050	31,050	31,050	31,050
8	8	30,824	30,855	30,895	31,055	31,155	31,155	31,155	31,155
9	9	30,926	30,956	30,996	31,156	31,256	31,256	31,256	31,256
10	10	31,024	31,055	31,095	31,255	31,355	31,355	31,355	31,355

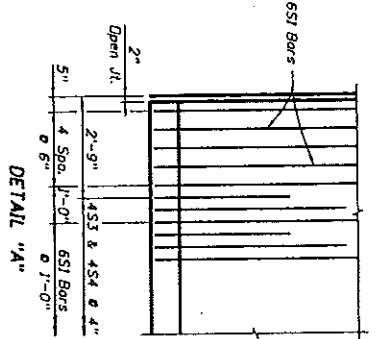
PROJECT NO. _____ DATE _____
 DRAWN BY _____ CHECKED BY _____
 APPROVED BY _____
 SR 10 (US 901 OVER PENOLD RIVER)

FINISH GRADE ELEVATIONS (3 OF 3)
 BRIDGE NO. 480218

NOTE: Check this sheet with sheets B-23 and B-24.



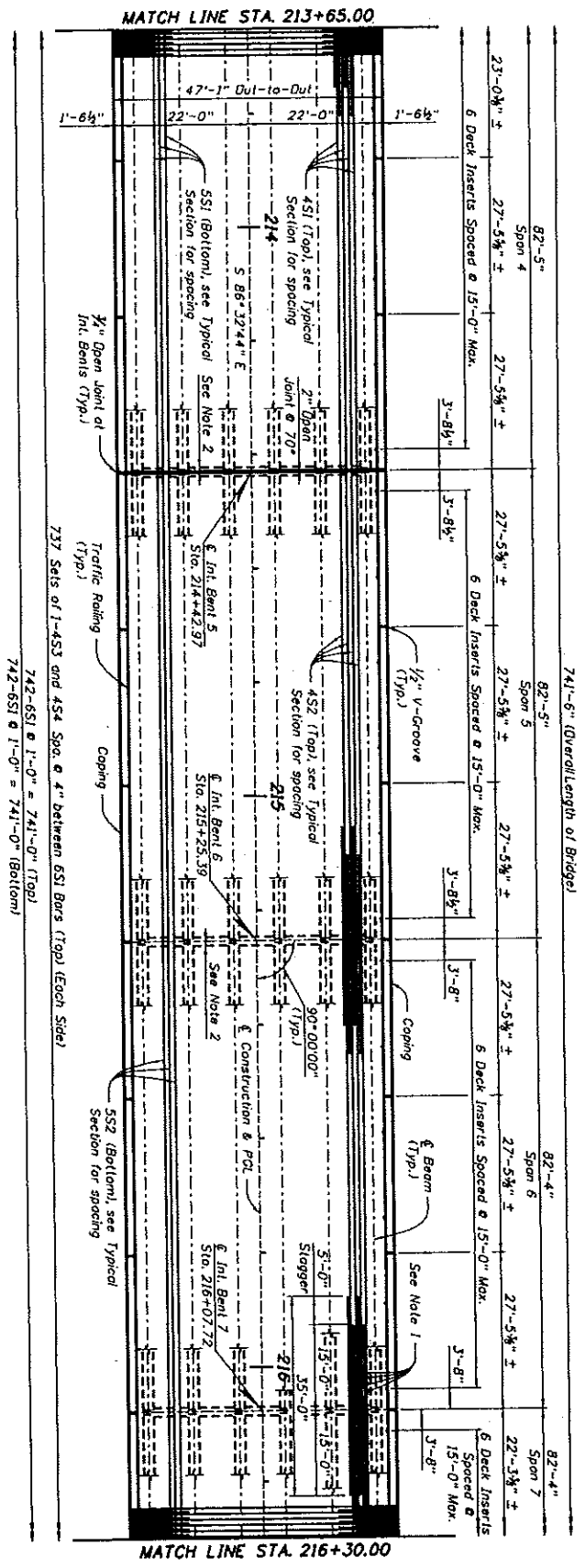
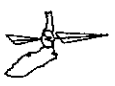
DETAIL "A"



PLAN

- NOTES:
1. Bars SS3 (Staggered) spaced between 4S1 (Top), see Typical Section (Typ. of Intermediate Bent).
 2. 9" Diaphragm (Typ. of End & Intermediate Bents)
 3. Work this sheet with sheets B-27 and B-28.
 4. For deck insert notes, see sheet B-29.
 5. For Typical Section, see sheet B-22.
 6. For Reinforcing Bar List, see sheets B-35 and B-36.

TITLE BRIDGE NO. 480218 SUPERSTRUCTURE (1 OF 3)		DRAWING NO. SR 10 (US 90) OVER PERDIDO RIVER		SHEET NO. B-28	
DATE 11/10/07	DESIGNED BY SK	CHECKED BY LEP	IN CHARGE SK	PROJECT NO. 411118-1-SE-01	SCALE AS SHOWN
DATE 11/10/07	DESIGNED BY SK	CHECKED BY LEP	IN CHARGE SK	PROJECT NO. 411118-1-SE-01	SCALE AS SHOWN
ENGINEER OF RECORD American CONSULTING ENGINEERS OF FLORIDA, LTD. 1000 W. UNIVERSITY AVENUE, SUITE 200 GAITHERSBURG, MD 20878			DRAWING NO. SR 10		
PROJECT NO. 411118-1-SE-01			SHEET NO. B-28		



- NOTES:
1. Bars 5S3 (Staggered) spaced between 4S1 or 4S2 (Top), see Typical Section (Typ. at Intermediate Bents)
 2. 9" Diaphragm (Typ. at End & Intermediate Bents)
 3. Work this sheet with sheets B-26 and B-28.
 4. For deck insert notes, see sheet B-29.
 5. For Typical Section, see sheet B-22.
 6. For Reinforcing Bar List, see sheets B-35 and B-36.

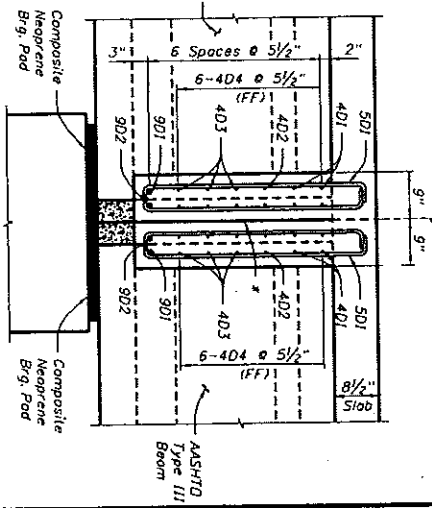
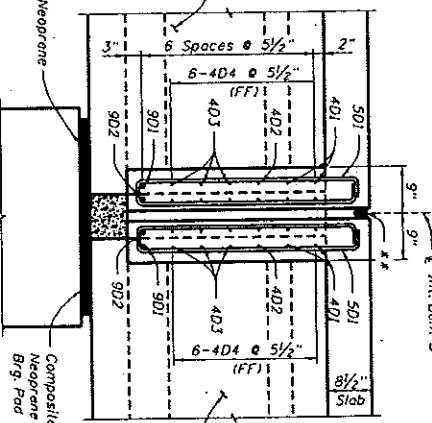
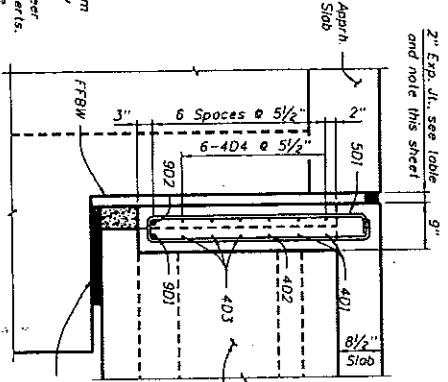
BRIDGE NO. 480218

PROJECT		DATE		SCALE		SHEET NO.	
SR 10 (US 90) OVER PERDIDO RIVER		1-07		AS SHOWN		B-27	
DESIGNED BY		CHECKED BY		APPROVED BY		DATE	
S. KORTZ, PE		S. KORTZ, PE		S. KORTZ, PE		1-07	
ENGINEER OF RECORD		AMERICAN		CIVIL ENGINEERS		MEMPHIS, TENN.	
DRAWN BY		SCALE		SHEET NO.		DATE	
S. KORTZ, PE		AS SHOWN		B-27		1-07	

EXPANSION JOINT	
LOCATION	DIM. "A"
End Bent 1	2"
Intermediate Bent 5	2"
End Bent 10	2"

EXPANSION JOINT NOTE:
1. See Design Standard Index No. 21110 for details.

DECK INSERT NOTES:
1. Deck inserts shall be placed in the overhang on the north side of the bridge as shown on sheets B-26 thru B-28.
2. The capacity of the deck insert shall have a minimum joint load capacity of 2000 lbs. If a lower capacity insert is necessary, the alternate spacing and insert specifications shall be submitted to the Engineer for approval to the installation of the deck inserts.
3. The cost of the deck inserts shall be included in the Contract Unit Price for the Superstructure Concrete.

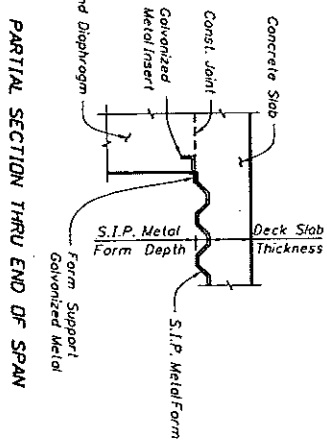
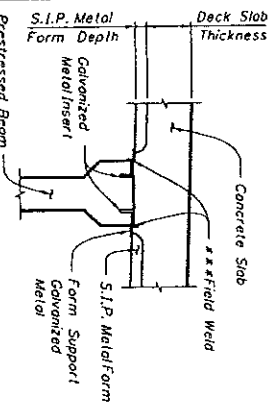


SECTION AT END DIAPHRAGM END BENTS 1 & 10

SECTION AT END DIAPHRAGM INT. BENT 5

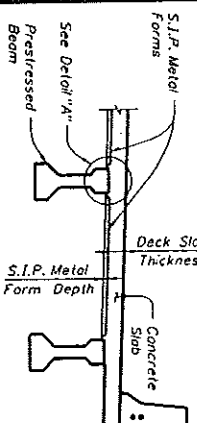
SECTION AT END DIAPHRAGM INT. BENTS 2 THRU 4 & 6 THRU 9

Legend
 - denotes area behind beam to be filled with concrete
 - denotes pre-molded expansion joint material
 #1 layer of 5# Lb. Smooth Roofing Paper
 #2 Expansion joint located at Int. Bent 5 only. See table and note this sheet.



PARTIAL SECTION THRU END OF SPAN

DETAIL "A"
 ***Note: Electrical grounding to reinforcing steels prohibited.



STAY-IN-PLACE METAL FORM NOTES:
 1. The Superstructure Concrete Quantities shown do not include the concrete required to fill the stay-in-place metal form tubes.
 2. The cost of the stay-in-place metal forms, the concrete required to fill the tubes, the metal form attachments and accessories and miscellaneous items required to install the forms shall be included in the Contract Unit Price for the Superstructure Concrete.

PARTIAL SECTION THRU SUPERSTRUCTURE STAY-IN-PLACE FORM DETAILS

JACKING NOTES:
 1. Jacking forces (JF) consist of D.L. and L.L. plus impact (unfactored).
 2. A bearing plate will be required under each jack. The plate size shall be determined using an allowable bearing stress on the concrete of 3.27 ksi (Road Factor Design).
 3. The thickness of the plate shall be determined according to the jack size.
 4. The jacks shall be engaged simultaneously lifting the entire end of span.
 5. Jacking shall continue until jacks can be freed but in no case shall the clear space between the beam steel and the bearing pad exceed 1/4".
 6. Jacks shall be equipped with a locking ring which will prevent movement in the event that hydraulic pressure is lost.
 7. Jacks shall be jacked off prior to removal of any bearing pads.
 8. Jacking of the Superstructure is not included in this Contract, unless directed by the Engineer to replace defective bearings.
 9. If single-jack is used, then it must be placed on equal distance away from two jacks, or used, then they are to be located on equal distance away from the centerline of the beam. This offset distance shall be no greater than 2'-6" measured along the length of the cap.

JACKING FORCES (JF) (TONS)		
Span 1 thru 9	D.L.	TOTAL
	118.4	32.2
		170.6

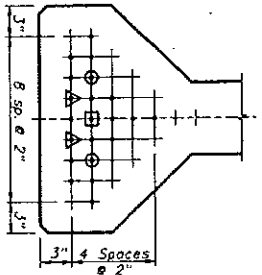
NOTE:
For Reinforcing Bar List, see sheets B-35 and B-36.

ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
Class II Concrete (Superstructure)	C.Y.	1001.1
Reinforcing Steel (Superstructure)	LB.	212928
ASHTO Type III Beam	L.F.	4407
Traffic Rolling Barrier (Type F)	L.F.	1603
Composite Neoprene Bearing Pad	S.F.	40.4
Expansion Joint	L.F.	136

SHEET NO.		PROJECT NO.		DATE		SCALE	
10	10	SR 10	SR 10	11/11/81	1-24-01	AS	AS
SUPERSTRUCTURE DETAILS				BRIDGE NO. 480218			
DESIGNED BY: ESCOBAR				CHECKED BY: ESCOBAR			
DRAWN BY: S. KOBEL, PE.				APPROVED BY: S. KOBEL, PE.			
ENGINEER OF RECORD: AMERICAN				FLORIDA DEPARTMENT OF TRANSPORTATION			
PROJECT NO. SR 10				PROJECT NO. SR 10 (US 901 OVER PENDIDO RIVER)			
DATE: 11/11/81				DATE: 11/11/81			
SCALE: AS				SCALE: AS			
SHEET NO. 10				SHEET NO. 10			

ASHTO TYPE III BEAM - TABLE OF BEAM VARIABLES

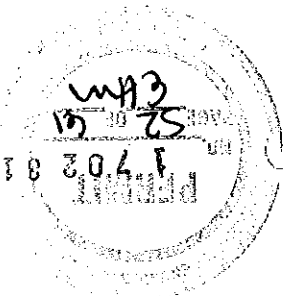
SPAN NO.	BEAM NO.	CONCRETE CLASS	STRENGTHS (psi)	STND. PTRN. TYPE	END ELEV.	PLAN VIEW CASE	BRG. PLATE		END OF BEAM & BEARING DIMENSIONS ***	BEAM DIMENSIONS		REINFORCING STEEL														
							MARK ***	END 1		END 2	DIM L	DIM R	J01	J02	4K	IND. OF SPACERS	SPACERS BARS	4K	SPACERS BARS							
1	1A-1F	V1	8500	1	1	1	---	---	90	90	9/2"	1'-4"	1'-2"	81'-7 3/8"	3/8"	1'-6"	4'-10"	117	11	8	24	1	6"	9"	1'-0"	7 1/2"
2	2A-2F	V1	8500	1	1	1	---	---	90	90	9/2"	1'-2"	1'-2"	81'-7 3/8"	3/8"	1'-6"	4'-10"	117	11	8	24	1	6"	9"	1'-0"	7 3/8"
3	3A-3F	V1	8500	1	1	1	---	---	90	90	9/2"	1'-2"	1'-2"	81'-7 3/8"	3/8"	1'-6"	4'-10"	117	11	8	24	1	6"	9"	1'-0"	7 3/8"
4	4A-4F	V1	8500	1	1	1	---	---	90	90	9/2"	1'-2"	1'-2"	81'-7 3/8"	3/8"	1'-6"	4'-10"	117	11	8	24	1	6"	9"	1'-0"	7 3/8"
5	5A-5F	V1	8500	1	1	1	---	---	90	90	9/2"	1'-2"	1'-2"	81'-7 3/8"	3/8"	1'-6"	4'-10"	117	11	8	24	1	6"	9"	1'-0"	7 3/8"
6	6A-6F	V1	8500	1	1	1	---	---	90	90	9/2"	1'-2"	1'-2"	81'-7 3/8"	3/8"	1'-6"	4'-10"	117	11	8	24	1	6"	9"	1'-0"	7 3/8"
7	7A-7F	V1	8500	1	1	1	---	---	90	90	9/2"	1'-2"	1'-2"	81'-7 3/8"	3/8"	1'-6"	4'-10"	117	11	8	24	1	6"	9"	1'-0"	7 3/8"
8	8A-8F	V1	8500	1	1	1	---	---	90	90	9/2"	1'-2"	1'-2"	81'-7 3/8"	3/8"	1'-6"	4'-10"	117	11	8	24	1	6"	9"	1'-0"	7 3/8"
9	9A-9F	V1	8500	1	1	1	---	---	90	90	9/2"	1'-2"	1'-2"	81'-7 3/8"	3/8"	1'-6"	4'-10"	117	11	8	24	1	6"	9"	1'-0"	7 3/8"



STRAND DEBONDING LEGEND

- - fully bonded strands;
- ⊖ - strands debonded 10'-0" from end of beam;
- ⊕ - strands debonded 15'-0" from end of beam;
- △ - strands debonded 25'-0" from end of beam.

NOTE: On beams with skewed ends the debonded length should be measured along the debonded strand.



DIMENSION NOTES

- * All longitudinal beam dimensions shown on this sheet with a single asterisk (*) are measured along the top of beam at the centerline of beam.
- ** End of beam bearing dimensions "J" and "X" are measured along the bottom of the beam.
- *** Mark indicates beveled bearing plate and embedded bearing plate required. See Index No. 20501 for details.

BEARING PLATES

- NOTES:
1. See Design Standard 20110 - Typical/ASHTO and Bub-T Beam Details and Notes.
 2. See Design Standard 20130 - ASHTO Type III Beam - Standard Details.

STRAND DESCRIPTION: Use 0.6" Diameter, Grade 270, Low Relaxation Strands stressed at 43.94 kips each. Area per strand equals 0.217 sq. in.

STRAND PATTERNS

DATE	BY	REVISION	DATE	BY	REVISION	DATE	BY	REVISION

DESIGNED BY	SR	CHECKED BY	SR	APPROVED BY	S. KOBRI, PE.
DATE	1-07	DATE	1-07	DATE	

ENGINEER OF RECORD	S. KOBRI, PE.
FLORIDA DEPARTMENT OF TRANSPORTATION	
PROJECT NO.	SR 10
PROJECT NAME	ESCAMBIA
PROJECT LOCATION	41111B-1-52-01
SCALE	AS SHOWN
DATE	5/2/00

BRIDGE NO.	480218
ASHTO TYPE III BEAM - TABLE OF BEAM VARIABLES	
SR 10 (US 90) OVER PERDIDO RIVER	
SHEET NO.	8-30

**BUILD-UP & DEFLECTION DATA TABLE
FOR ASHTO AND BULB-T BEAMS**

LOCATION	REQUIRED THEORETICAL BUILD-UP OVER ϵ BEAM	AT BEGIN SPAN DIM "B"	AT ϵ SPAN DIM "C"	AT END SPAN DIM "D"	NET BEAM CAMBER (PRESTRESS - DEAD LOAD) OF BEAM @ 120 DAYS	DEAD LOAD DEFLECTION DURING DECK POUR @ 120 DAYS	BUILD-UP CASE NO.
1	1A	2"	1 1/2"	2"	3/8"	1 1/4"	3
1	1B	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
1	1C	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
1	1D	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
1	1E	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
1	1F	2"	1 1/2"	2"	3/8"	1 1/4"	3
2	2A	2"	1 1/2"	2"	3/8"	1 1/4"	3
2	2B	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
2	2C	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
2	2D	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
2	2E	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
2	2F	2"	1 1/2"	2"	3/8"	1 1/4"	3
3	3A	2"	1 1/2"	2"	3/8"	1 1/4"	3
3	3B	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
3	3C	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
3	3D	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
3	3E	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
3	3F	2"	1 1/2"	2"	3/8"	1 1/4"	3
4	4A	2"	1 1/2"	2"	3/8"	1 1/4"	3
4	4B	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
4	4C	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
4	4D	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
4	4E	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
4	4F	2"	1 1/2"	2"	3/8"	1 1/4"	3
5	5A	2"	1 1/2"	2"	3/8"	1 1/4"	3
5	5B	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
5	5C	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
5	5D	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
5	5E	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
5	5F	2"	1 1/2"	2"	3/8"	1 1/4"	3

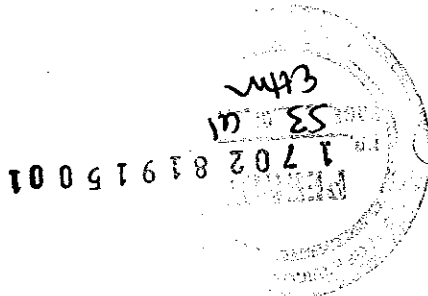
**BUILD-UP & DEFLECTION DATA TABLE
FOR ASHTO AND BULB-T BEAMS**

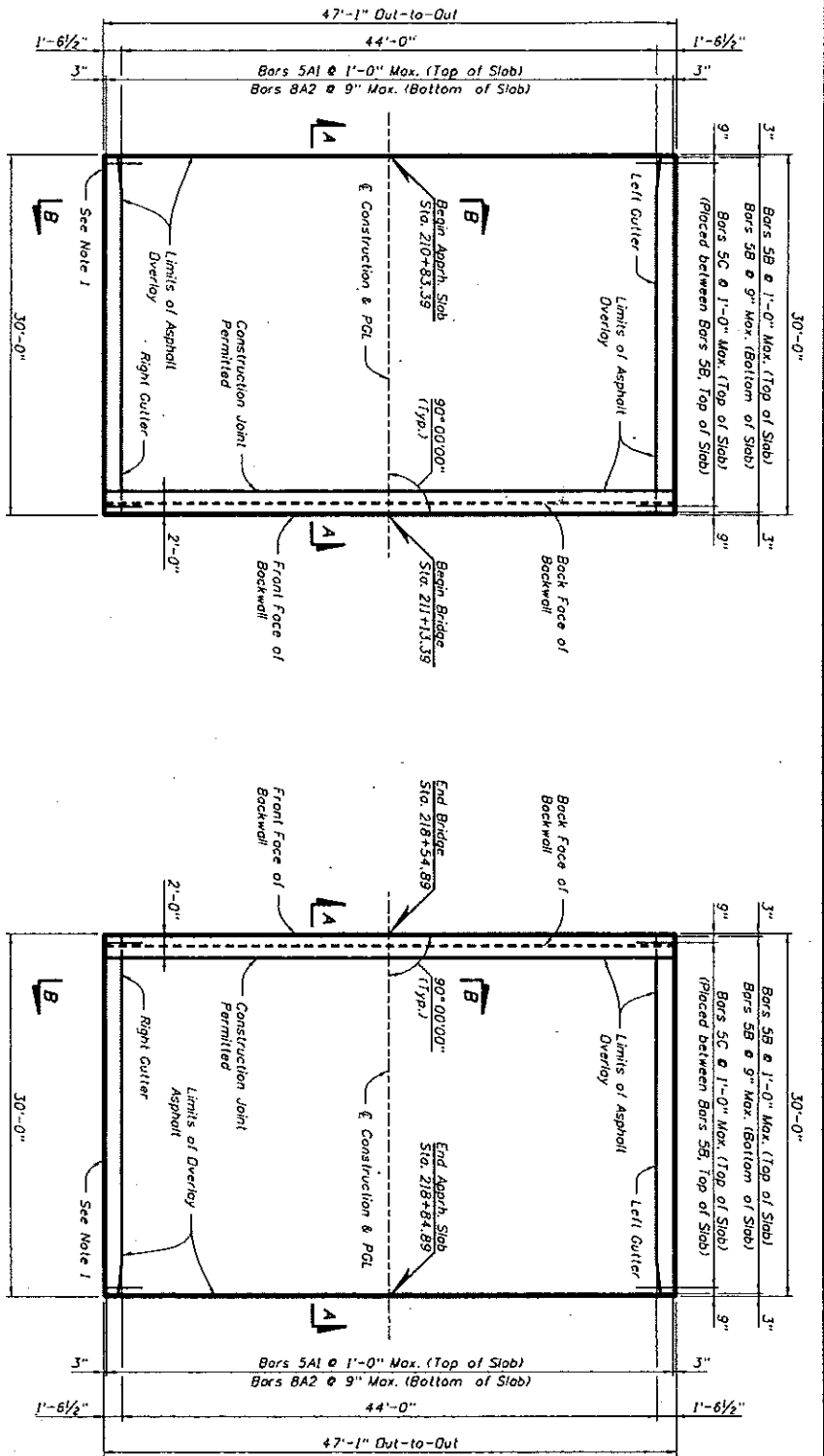
LOCATION	REQUIRED THEORETICAL BUILD-UP OVER ϵ BEAM	AT BEGIN SPAN DIM "B"	AT ϵ SPAN DIM "C"	AT END SPAN DIM "D"	NET BEAM CAMBER (PRESTRESS - DEAD LOAD) OF BEAM @ 120 DAYS	DEAD LOAD DEFLECTION DURING DECK POUR @ 120 DAYS	BUILD-UP CASE NO.
6	6A	2"	1 1/2"	2"	3/8"	1 1/4"	3
6	6B	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
6	6C	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
6	6D	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
6	6E	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
6	6F	2"	1 1/2"	2"	3/8"	1 1/4"	3
7	7A	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
7	7B	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
7	7C	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
7	7D	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
7	7E	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
7	7F	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
8	8A	2"	1 1/2"	2"	3/8"	1 1/4"	3
8	8B	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
8	8C	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
8	8D	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
8	8E	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
8	8F	2"	1 1/2"	2"	3/8"	1 1/4"	3
9	9A	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3
9	9B	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	4
9	9C	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	4
9	9D	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	4
9	9E	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	4
9	9F	1 1/2"	1/2"	1 1/2"	3/8"	1 1/4"	3

NOTE: 1. See Design Standard 20199 - Build-up & Deflection Data for ASHTO and Bulb-T Beams.

BRIDGE NO. 480218

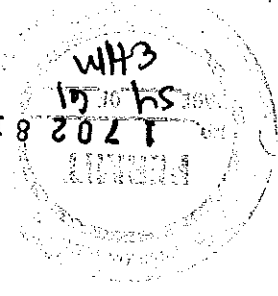
DATE	PROJECT NO.	CONTRACT NO.	SECTION NO.
10/1/07	107	1-07	1-07
DESIGNED BY	CHECKED BY	APPROVED BY	
SK	DK	S. KOSPL, PE	
ENGINEER OF RECORD			
American 10000 Lakeside Blvd., Suite 1000 Lakewood, Colorado 80226-2100 Tel: 303.973.1000 Fax: 303.973.1001			
FLORIDA DEPARTMENT OF TRANSPORTATION		PROJECT NO.	
SR 10 ESCAMBIA		41118-1-SR-01	
BUILDUP & DEFLECTION DATA TABLE FOR I-BEAMS			
SR 10 (US 90) OVER PERDIDO RIVER			
TABLE NO. B-31			



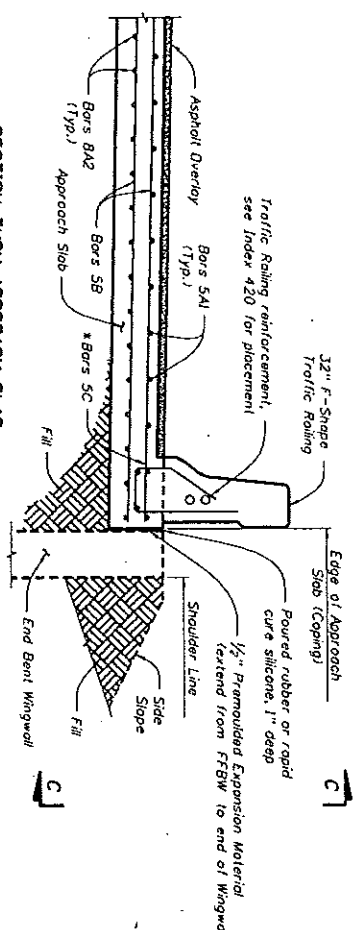
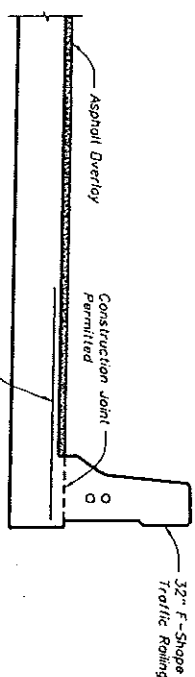
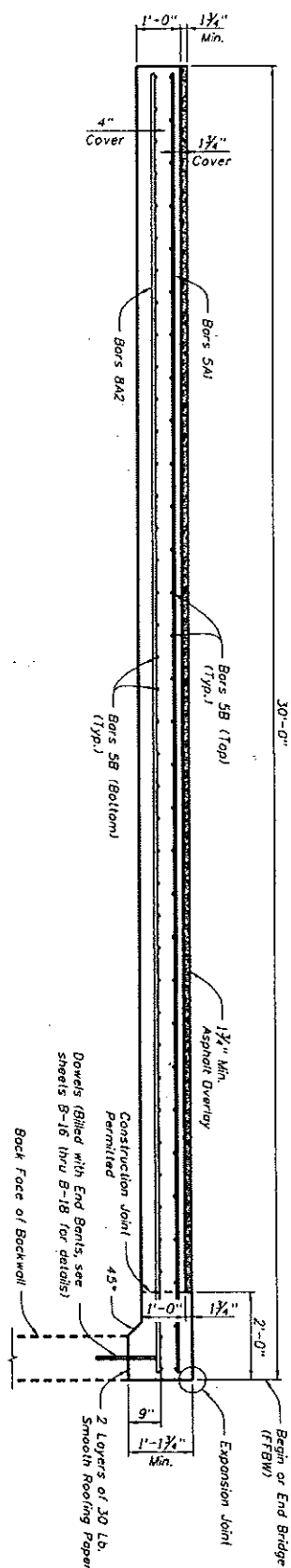


- GENERAL NOTES:**
1. Outside edge of Approach Slab (Coping) shall match and conform with alignment of Left and Right Copings shown on Superstructure sheets (Top.)
 2. **SURFACE TREATMENT:** As an option to Class 4 Floor Finish (Bridge Floor Grooving) per Section 400 e have lined or heavy broomed finish may be permitted on the concrete portion of the riding surface. The top surface of the concrete beneath the asphalt overlay shall be raked.
 3. **UTILITIES:** If required, see Structures Plans Utility Canoeil Detail Sheets for details.
 4. Reinforcing shall be provided as shown in the Structures Plans. Payment for these items shall be included in the pay item for the required item.
 5. **ASPHALT OVERLAY:** Payment for asphalt overlay items is included in Roadway Pay Items. Continue the asphalt pavement over the approach slab and match the friction course (type used on the roadway). For FC-5, place the first structural course 1.0" thick and the friction course 0.75" thick.

- NOTES:**
1. For Section A-A and B-B, see sheet B-33.
 2. For additional notes on details, see Index No. 20900.
 3. For Reinforcing Bar L, see sheets B-35 and B-36.

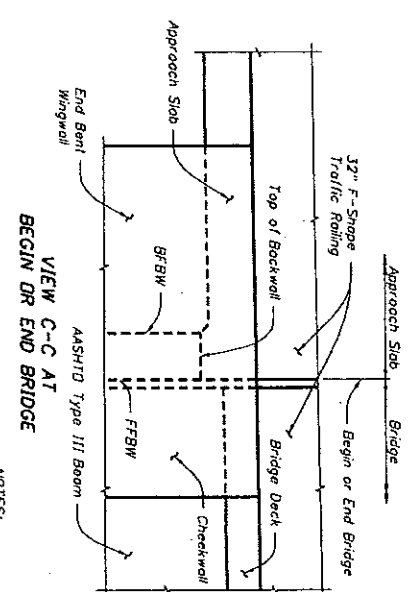


DATE	BY	REVISION	DATE	BY	REVISION
ENGINEER OF RECORD					
 American Engineering & Construction, Inc. 2100 N. W. 11th Ave., Suite 100 Fort Lauderdale, Florida 33309 Phone: (954) 571-1111 Fax: (954) 571-1112			FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 10 COUNTY ESCAMBIA PROJECT NO. 41118-1-52-01 SHEET NO. 8-32		
BRIDGE NO. 480218					
APPROACH SLAB (1 OF 2)					
SR 10 (US 90) OVER PERDIDO RIVER					



ESTIMATED QUANTITIES			
ITEM	UNIT	QUANTITY	
Class II Concrete (Approach Slab)	C.Y.	53.8	APPROX. SLAB 1
Reinforcing Steel (Approach Slab)	LB.	10329	APPROX. SLAB 2

NOTE:
 Quantities do not include items placed on the slab such as Traffic Rolling Barrier. For Traffic Rolling Barrier Quantities, see Bid Item List.

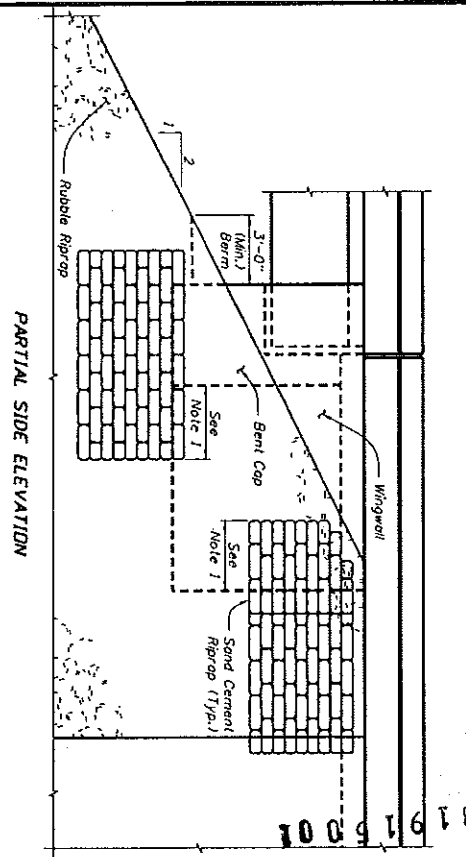
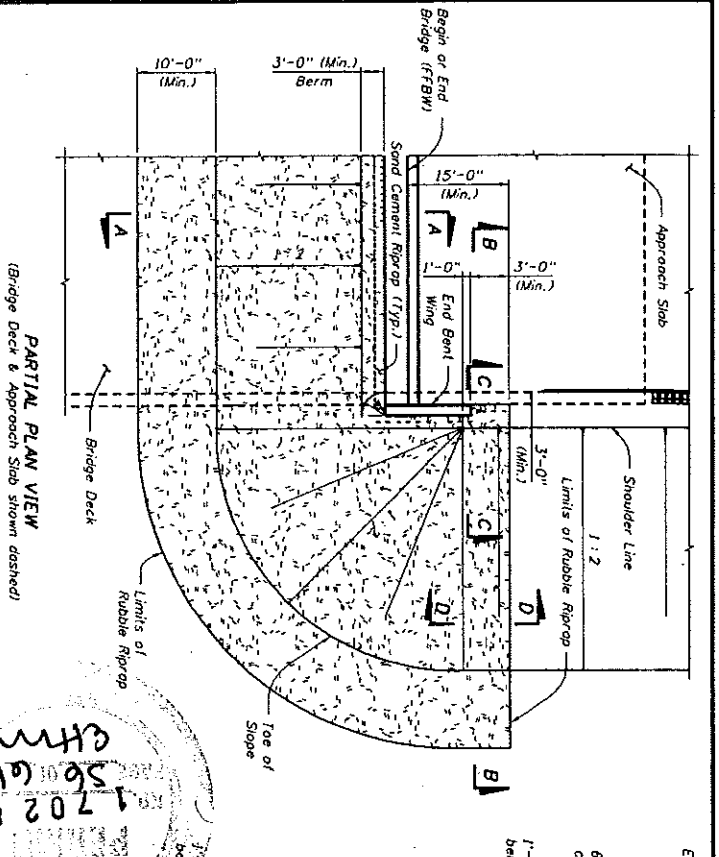


NOTES:
 1. For location of Sections A-A and B-B, see sheet B-32.
 2. For additional notes and details, see Index No. 20500.
 3. For Reinforcing Bar List, see sheets B-35 and B-36.

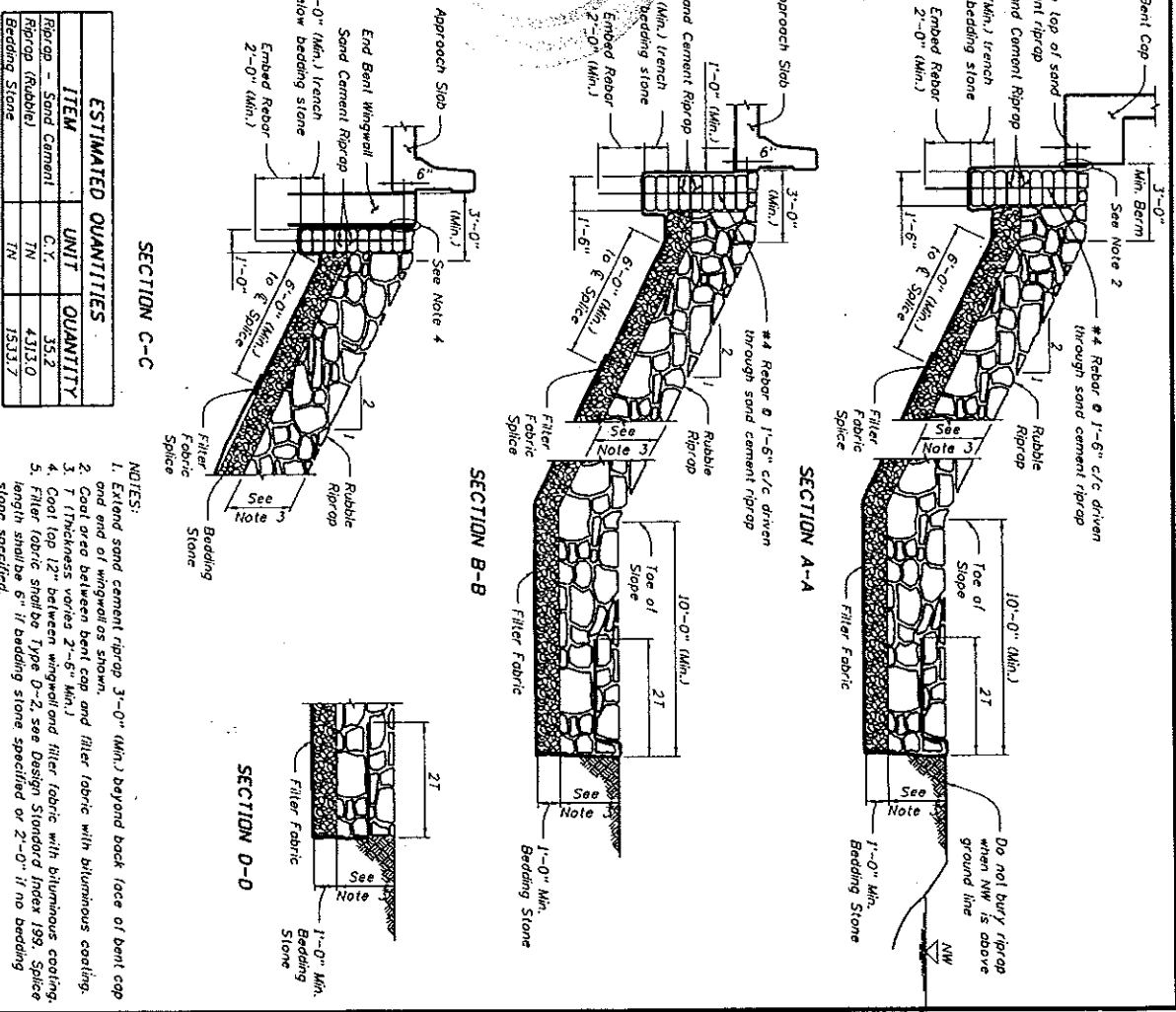
REVISIONS		DATE		BY		CHECKED BY		APPROVED BY	
1									
2									

DESIGNED BY	DATE	SCALE	ENGINEER OR RECORDS
BY			
CHECKED BY	DATE	SCALE	ENGINEER OR RECORDS
BY			
APPROVED BY	DATE	SCALE	ENGINEER OR RECORDS
BY			

PROJECT NO.	SR 10	PROJECT TITLE	APPROACH SLAB (2 OF 2)
CONTRACT NO.	ESCAMBIA	PROJECT NO.	SR 10 (US 90) OVER PERDIDO RIVER
DATE	11/11/81	PROJECT NO.	SR 10 (US 90) OVER PERDIDO RIVER
SCALE	AS SHOWN	PROJECT NO.	SR 10 (US 90) OVER PERDIDO RIVER
DATE	11/11/81	PROJECT NO.	SR 10 (US 90) OVER PERDIDO RIVER
SCALE	AS SHOWN	PROJECT NO.	SR 10 (US 90) OVER PERDIDO RIVER
DATE	11/11/81	PROJECT NO.	SR 10 (US 90) OVER PERDIDO RIVER
SCALE	AS SHOWN	PROJECT NO.	SR 10 (US 90) OVER PERDIDO RIVER



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 CHM



ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
Riprap - Sand Cement	C.Y.	35.2
Riprap (Rubble)	TN	4313.0
Bedding Stone	TN	1533.7

NOTES:
 1. Extend sand cement riprap 3'-0" (Min.) beyond back face of bent cap and end of wingwalls shown.
 2. Coat area between bent cap and filter fabric with bituminous coating.
 3. Filter fabric thickness varies 2'-6" Min.
 4. Coat top 12" between wingwall and filter fabric with bituminous coating.
 5. Filter fabric shall be Type D-2, see Design Standard Index 139. Splice length shall be 6" if bedding stone specified or 2'-0" if no bedding stone specified.

REVISIONS				DATE			
NO.	BY	DATE	DESCRIPTION	NO.	BY	DATE	DESCRIPTION

DESIGNED BY	J.K.V.	DATE	1-07
CHECKED BY	S.K.	DATE	1-07
APPROVED BY	S.KORPEL, PE	DATE	1-07

ENGINEER OF RECORD	AMERICAN
FLORIDA DEPARTMENT OF TRANSPORTATION	ESCAMBIA
PROJECT NO.	SR 10 (US 901 OVER PENNOLD RIVER)
CONTRACT NO.	411118-1-52-01
SHEET NO.	B-34

MARK	LENGTH	NO. TYP	STY	B	C	D	E	F	H	J	K	N	Ø			
SIZE	DES	FT	IN	BAR	BAR	ANG	FT	IN	FT	IN	FT	IN	FT	IN	NO	AMC
LOCATION 1 SUPERSTRUCTURE																
4 S1	337-5	48	2		1-8	329-1									5	
4 S2	423-1	48	2		1-8	411-5									7	
4 S3	7-3	146-4	1		7-3											
4 S4	10-3	146-4	1		10-3											
5 S1	339-11	48	2		2-2	329-1									5	
5 S2	426-7	48	2		2-2	411-5									7	
5 S3	35-0	329	1		35-0											
6 S1	46-7	1432	1		46-7											
4 D1	6-4	180	1		6-4											
4 D2	6-8	90	1		6-8											
4 D3	7-1	270	1		7-1											
4 D4	40-3	108	1		40-3											
5 O1	8-8	720	4	4	3-5	0-5	0-5	0-6	0-6						45	45
9 O1	7-6	30	13		6-6											
9 O2	41-0	18	1		41-0											
LOCATION 2 APPROACH SLAB																
5 A1	29-6	48	1		29-6											
5 B	46-7	72	1		46-7											
5 C	5-0	60	1		5-0											
8 A2	29-6	64	1		29-6											
LOCATION 3 END BENT ONE																
4 E1	5-8	24	11		2-8	1-6	1-6									
4 E2	5-2	30	11		2-2	1-6	1-6									
4 E3	7-11	72	4	4	1-9	1-10										
5 E1	4-11	142	1		4-11											
5 E2	48-6	10	1		48-6											
6 E1	1-6	12	1		1-6											
8 E1	48-6	9	1		48-6											
8 E2	7-4	15	18	1	5-6											
5 W1	10-10	16	1		10-10											
5 W2	6-11	46	1		6-11											
LOCATION 4 END BENT TEN																
4 E1	5-8	24	11		2-8	1-6	1-6									
4 E2	5-2	30	11		2-2	1-6	1-6									
4 E3	7-11	72	4	4	1-9	1-10										
5 E1	4-11	142	1		4-11											
5 E2	48-6	10	1		48-6											
6 E1	1-6	12	1		1-6											
8 E1	48-6	9	1		48-6											
8 E2	7-4	15	18	1	5-6											
5 W1	10-10	16	1		10-10											
5 W2	6-11	46	1		6-11											
LOCATION 5 INTERMEDIATE BENT TWO																
4 C1	5-8	48	11		2-8	1-6	1-6									
4 C2	4-10	60	11		1-10	1-6	1-6									
4 C3	9-3	64	4	4	1-10	2-5										
8 C1	46-4	12	1		46-4											
8 C2	5-4	14	18	1	3-6											
LOCATION 6 INTERMEDIATE BENT TWO																
NO. REQUIRED = 1																
LOCATION 7 INTERMEDIATE BENT TWO																
NO. REQUIRED = 1																
LOCATION 8 INTERMEDIATE BENT TWO																
NO. REQUIRED = 2																

DATE	10/10/2018	SCALE	AS SHOWN
PROJECT	REINFORCING BAR LIST (1 OF 2)		
BRIDGE NO.	BRIDGE NO. 480218		
SR NO.	SR 10	ESCALERA	411118-1-52-01
DESIGNER	S. KOBRI, P.E.		
CHECKER	S. KOBRI, P.E.		
DATE	10/10/2018	SCALE	AS SHOWN
PROJECT	REINFORCING BAR LIST (1 OF 2)		
BRIDGE NO.	BRIDGE NO. 480218		
SR NO.	SR 10	ESCALERA	411118-1-52-01
DESIGNER	S. KOBRI, P.E.		
CHECKER	S. KOBRI, P.E.		

FLORIDA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 PROJECT NO. SR 10 (US 901 OVER PERDIDO RIVER)
 SHEET NO. B-35



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 605-23.003, F.A.C.

MARK SIZE	LENGTH IN	NO. BARS	NO. TYP. STY.	B	C	D	E	F	H	J	K	N	Ø
DES	FT	BAWA	GA	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN
LOCATION INTERMEDIATE BENT THREE													
4 C1	5-8	48	11		2-8	1-6	1-6						
4 C2	4-10	60	11		1-10	1-6	1-6						
4 C3	9-3	64	4	4	1-10	2-5							
8 C1	46-4	12	1		46-4								
8 C2	5-4	14	18	1	3-6								
LOCATION INTERMEDIATE BENT FOUR													
4 C1	5-8	48	11		2-8	1-6	1-6						
4 C2	4-10	60	11		1-10	1-6	1-6						
4 C3	9-3	64	4	4	1-10	2-5							
8 C1	46-4	12	1		46-4								
8 C2	5-4	14	18	1	3-6								
LOCATION INTERMEDIATE BENT FIVE													
4 C1	5-8	48	11		2-8	1-6	1-6						
4 C2	4-10	60	11		1-10	1-6	1-6						
4 C3	9-3	64	4	4	1-10	2-5							
8 C1	46-4	12	1		46-4								
8 C2	5-4	14	18	1	3-6								
LOCATION INTERMEDIATE BENT SIX													
4 C1	5-8	48	11		2-8	1-6	1-6						
4 C2	4-10	60	11		1-10	1-6	1-6						
4 C3	9-3	64	4	4	1-10	2-5							
8 C1	46-4	12	1		46-4								
8 C2	5-4	14	18	1	3-6								
LOCATION INTERMEDIATE BENT SEVEN													
4 C1	5-8	48	11		2-8	1-6	1-6						
4 C2	4-10	60	11		1-10	1-6	1-6						
4 C3	9-3	64	4	4	1-10	2-5							
8 C1	46-4	12	1		46-4								
8 C2	5-4	14	18	1	3-6								
LOCATION INTERMEDIATE BENT EIGHT													
4 C1	5-8	48	11		2-8	1-6	1-6						
4 C2	4-10	60	11		1-10	1-6	1-6						
4 C3	9-3	64	4	4	1-10	2-5							
8 C1	46-4	12	1		46-4								
8 C2	5-4	14	18	1	3-6								
LOCATION INTERMEDIATE BENT NINE													
4 C1	5-8	48	11		2-8	1-6	1-6						
4 C2	4-10	60	11		1-10	1-6	1-6						
4 C3	9-3	64	4	4	1-10	2-5							
8 C1	46-4	12	1		46-4								
8 C2	5-4	14	18	1	3-6								

END OF LIST

BRIDGE NO. 480218

REINFORCING BAR LIST (2 OF 2)

SR 10 (US 90) OVER PERDIDO RIVER

FLORIDA DEPARTMENT OF TRANSPORTATION

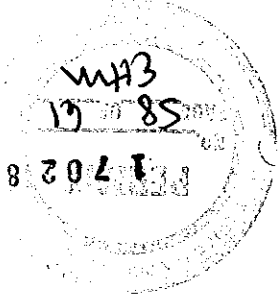
AMERICAN CONSULTING ENGINEERS & ARCHITECTS, INC.

NO. 10

NO. 10

NO. 10

NO. 10



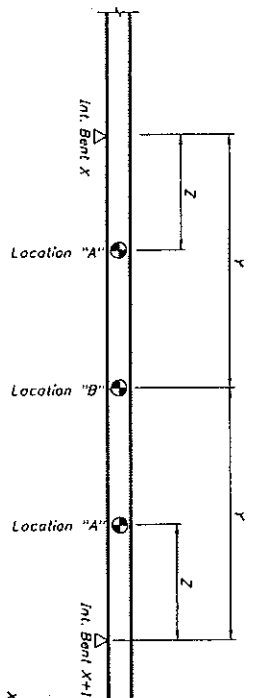
Load Rating Summary for Prestressed Concrete Bridges (Flat Slab and Deck/Girder)

Table 1 - LRFR using Appendix D.6 (LFD or ASD)³

Level	Vehicle	Weight (tons)	Load Factors		Minimum Rating Factor	Distribution Factor (DF)	Rating Factor	Tons	Location	Dimension	Distribution Factor (DF)	Rating Factor	Tons	Location	Dimension	Comments: Interior/exterior beam DF method if other than Standard Spec. Other appropriate comments
			LL	DL												
Inventory (Inv)	HS-20	36.0	2.17	1.30	N/A											
Operating (Op)	HS-20	36.0	1.30	1.30	N/A											
	SU4	35.0	1.30	1.30	N/A											
	C5	36.6	1.30	1.30	N/A											
	ST5	40.0	1.30	1.30	N/A											

Table 2 - LRFR w/o Appendix D.6 (LFD)³

Level	Limit State	Vehicle	Weight (tons)	Load Factors				Minimum Rating Factor	Distribution Factor (DF)	Rating Factor	Tons	Location	Dimension	Distribution Factor (DF)	Rating Factor	Tons	Location	Dimension	Comments: Interior/exterior beam DF method if other than LRFD. Other appropriate comments
				LL	DC	DW	DF												
Permit Load Rating	Strength I (Inv)	HL-93	N/A	1.75	1.25	1.50	1.00	0.73	1.20	N/A	B	Y	0.83	1.61	N/A	A	Z	Ext. Beam (Moment)/Int. Beam (Shear)	
	Strength I (Op)	HL-93	N/A	1.35	1.25	1.50	1.00	0.73	1.56	N/A	B	Y	0.83	2.08	N/A	A	Z	Ext. Beam (Moment)/Int. Beam (Shear)	
	Strength III (Op)	HL-93	N/A	0.80	1.00	1.00	1.00	0.68	1.17	N/A	B	Y	N/A	N/A	N/A	N/A	N/A	Interior Beam (Moment)	
Legal Load Rating	Strength I (Op)	SU4	N/A	0.80	1.00	1.00	1.00	0.73	1.30	N/A	B	Y	N/A	N/A	N/A	N/A	N/A	Int. & Ext. Beam (Moment)/Int. Beam (Moment)	
	Strength I	SU4	35.0	1.35	1.25	1.50	N/A												
	Strength I	C5	36.6	1.35	1.25	1.50	N/A												
Design Load Rating	Strength I	ST5	40.0	1.35	1.25	1.50	N/A												
	Strength I	SU4	35.0	0.80	1.00	1.00	N/A												
	Strength III	C5	36.6	0.80	1.00	1.00	N/A												
Permit Load Rating	Strength II	FL20	60.0	1.00	1.25	1.50	1.00	0.73	1.68	100.80	B	Y	0.83	1.96	N/A	A	Z	Ext. Beam (Moment)/Int. Beam (Shear)	
	Strength III	FL20	60.0	0.70	1.00	1.00	1.00	0.68	1.18	70.80	B	Y	N/A	N/A	N/A	N/A	N/A	Interior Beam (Moment)	



RATING LOCATIONS

X = Bents 2 to 8

Span	Z	Y
1 & 9	24'-9"	41'-3"
2-3 & 6-8	24'-8 1/4"	41'-2"
4 & 5	24'-8 3/4"	41'-2 1/2"

Abbreviations:
Inv - Inventory
Op - Operating

Controlling Load Rating

Limit State	Vehicle	Weight (tons)	Rating Factor
Strength I (Inv)	HL-93	N/A	1.17

BRIDGE NO. 480218

LOAD RATING CHARTS

SR 10 (US 90) OVER PERDIDO RIVER

DESIGNED BY: S. KIRBY, PE

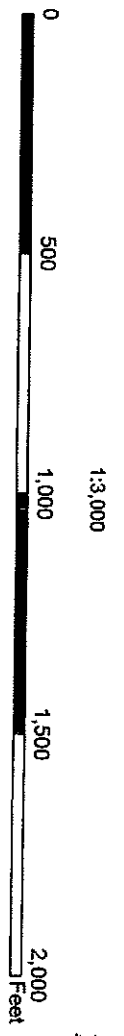
DATE: 5/26/08

PROJECT NO. 125913

DATE: 5/26/08

SCALE: 8-5'

STATE OF ALABAMA
MAY 6 1961
10 2 8 1 9 1 5 0 0 1



U.S. Highway 90 (SR 10) Bridge Replacement
Baldwin County, AL and Escambia County, FL
Wetland/Upland Boundary Line



BRIDGE AT HIGHWAY 90 AND PERDIDO RIVER

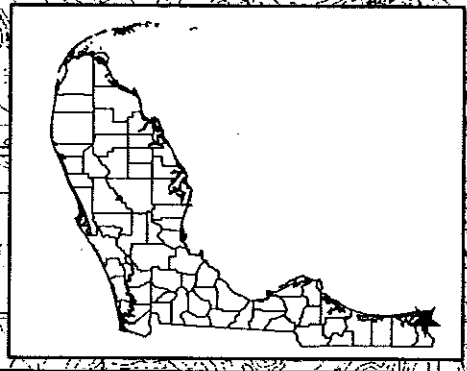
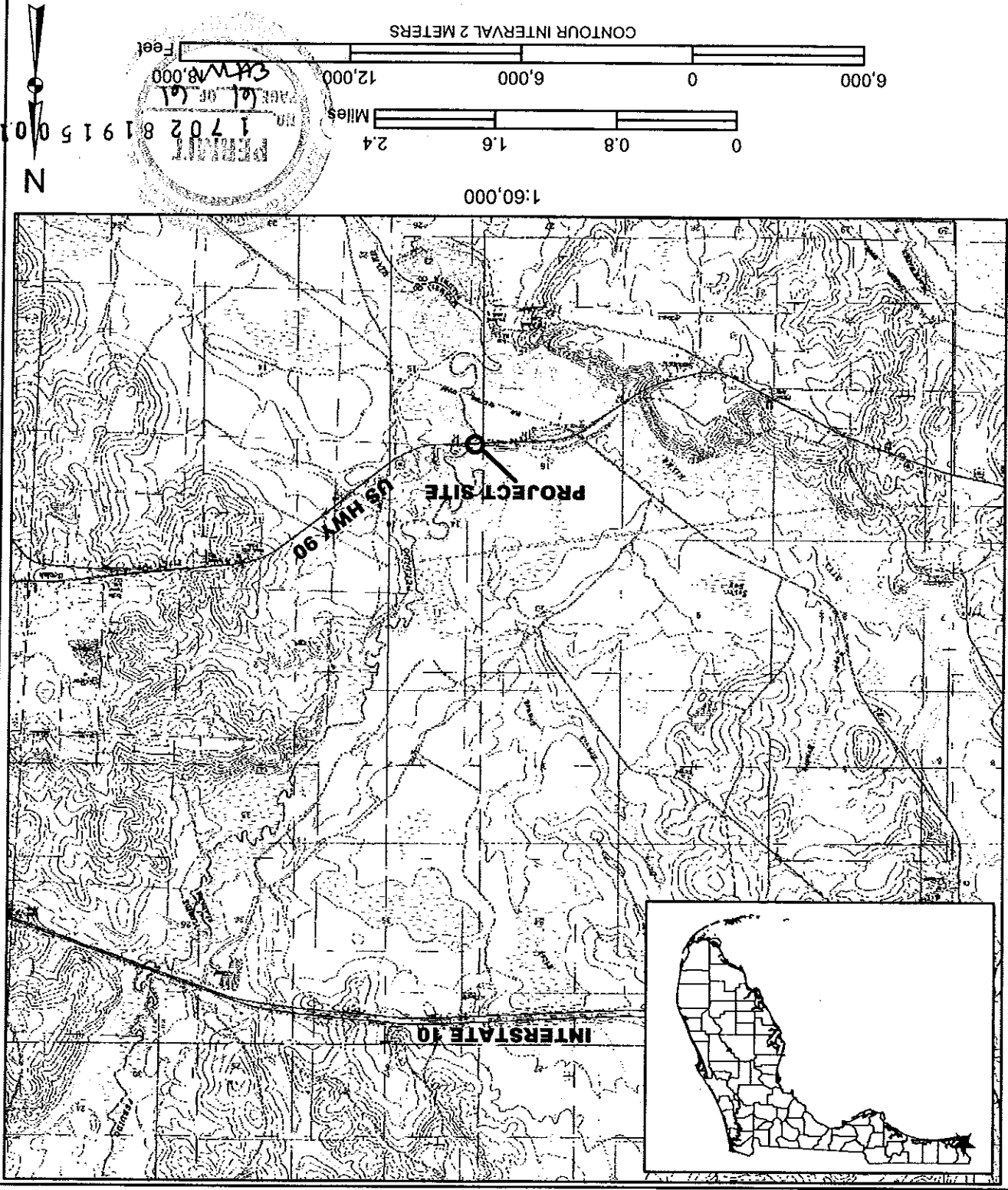
Thompson

PROJECT NO.: 05-4025-0018

DATE: AUGUST 2007

FIGURE 1
SITE VICINITY MAP

(NOTE: EXTRACTED FROM SEMINOLE, ALABAMA QUADRANGLE, 7.5 MINUTE SERIES.)





Florida Department of Environmental Protection

Northwest District Office
160 Governmental Center, Suite 308
Pensacola, Florida 32502-5794

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

September 17, 2007

Ms. Joy Giddens, District Permit Coordinator
Florida Dept. of Transportation
1074 Highway 90
Chipley, Florida 32428

Re: FDOT Perdido River Bridge
Escambia County, 17-0281915-002-RG

Dear Ms. Giddens:

We have reviewed your Notice of General Permit received by the Submerged Lands and Environmental Resources Program on August 31, 2007, concerning the above referenced project. The project appears to qualify for the general permit specified by Rule 62-25.801, Florida Administrative Code (F.A.C.).

Please note that due to the current workload, no site inspection has been performed; therefore, the Department has made no determination as to whether jurisdictional wetlands are present on the site, or whether, based on the proposed scope of work, a wetland resource permit may be required. Any subsequent determination that such a permit is required may result in a need to obtain a new stormwater permit, and may also lead to possible enforcement action by the Department for any unauthorized work conducted in jurisdictional wetlands.

Please thoroughly review and be aware of the conditions associated with the general permit (enclosed). Your particular attention is directed to the statement contained in the general permit which states that this general permit does not relieve you, the permittee, from obtaining a dredge and fill, collection system or distribution system permit where it is required.

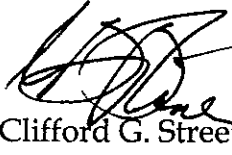
Additionally, it appears that the proposed scope of work may result in a stormwater discharge to surface waters of the State or a municipal separate storm sewer system, and disturb (which includes clearing, grading and excavation) one (1) or more acres of land. Enclosed for your information and action as appropriate, is a brochure describing Florida's National Pollutant Discharge Elimination (NPDES) stormwater program for construction activities.

RECEIVED
SEP 20 2007
Environmental Management

We wish to point out that Rule 62-25.801, F.A.C. also requires that the permittee file an As-Built Certification with the Submerged Lands and Environmental Resources Program within thirty (30) days after the facility's completion. This certification is included as Page 4 of DEP Form 62-1.215(2), the General Permit for Stormwater Discharge Facilities.

If you have any questions about the need to obtain additional permits, or any other matters, please call Richard Boelens at (850) 595-8300, extension 1209.

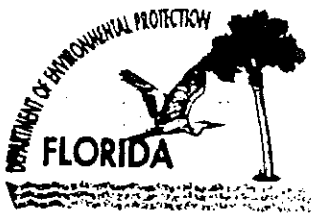
Sincerely,



Clifford G. Street, P.E.
Supervisor, Engineering Support
Submerged Lands & Environmental
Resources Program

CGS:rb
Enclosures

cc: Tracy D. Boutwell, P.E.
Richard Duane, P.E., Escambia County Engineer
Jessica Kleinfelter, NPDES, DEP Tallahassee



Jeb Bush
Governor

Department of Environmental Protection

Northwest District
160 Governmental Center
Pensacola, Florida 32502-5794

Colleen M. Castille
Secretary

62-25.801 GENERAL PERMIT FOR NEW STORMWATER DISCHARGE FACILITIES

1. Your project appears to qualify for a general permit to construct a new stormwater discharge facility that has been designed in accordance with the standards and criteria set forth in Florida Administrative Code Rule 62-25.025.
2. This general permit is subject to the general conditions of Rules 62-4.540 (see reverse side) and 62-25.801.
3. The permittee or his engineer of record shall file with the Department within 30 days of completion of construction a certification of construction in accordance with the approved plans and specifications and compliance with the Florida Administrative Code Rule 62-25.025.
4. This general permit does not relieve you, the permittee, from obtaining a dredge and fill permit where it is required. SPECIFIC AUTHORITY 403.814(1), 403.912, F.S. LAW IMPLEMENTED 403.061, 403.087, 403.088, 403.121, 403.141, 403.161, 403.182, 403.502, 403.702, 403.814, 403.908, F.S. HISTORY – New 5-8-85. Previous Number 17-4.71. Formerly 17-4.710. Formerly 17-25.801.

62-4.540 General Conditions for all General Permits

1. The terms, conditions, requirements, limitations, and restrictions set forth in this Part are "general and specific permit conditions" and are binding upon the permittee. The conditions are enforceable under Chapter 403, F.S.
2. The general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit. The permittee is placed on notice that violation of the permit may result in suspension or revocation of the permittee's use of the general permit and may result in institution of legal proceedings as the Department may consider appropriate.
3. The general permit does not convey any vested rights or any exclusive privileges. It does not authorize any infringement of federal, state or local laws or regulations. It does not obviate the necessity for obtaining any other federal, state or local permits that may be required or operate to allow the permittee to violate any more stringent standards established by federal or local law.
4. The general permit does not relieve the permittee from liability and the penalties therefore when the construction or the operation of the permitted activity causes harm or injury to human health or welfare; causes harm or injury to animal, plant or aquatic life; or cause harm or injury to property. It does not allow the permittee to cause pollution in contravention of Florida Statutes and Department rules.
5. The general permit conveys no title to land or water, nor does it constitute State recognition or acknowledgment of submerged lands. Only the Board of Trustees of the Internal Improvement Trust Fund may express State opinion as to Title.
6. No general permit shall authorize the use of state owned lands without the prior consent of the Board of Trustees of the Internal Improvement Trust Fund pursuant to Section 253.77, F.S.
7. The general permit may be modified, suspended or revoked in accordance with Chapter 120, Florida Statutes, if the Secretary determines that there has been a violation of any of the terms or conditions of the permit; there has been a violation of state water quality standards or state air quality standards; or the permittee has submitted false, incomplete or inaccurate data or information.
8. The general permit shall not be transferred to a third party except pursuant to Florida Administrative Code Rule 62-4.120.
9. The general permit authorizes construction and where applicable operation of the permitted facility.
10. The permittee agrees in accepting the general permit to make every reasonable effort to conduct the specific activity or construction authorized by the general in a manner that will minimize any adverse impact on the adjacent property of public use of the adjacent property, where applicable, and on the environment, including fish, wildlife, natural resources of the area, water quality or air quality.
11. The permittee agrees in accepting the general permit to allow a duly authorized representative of the Department access to the permitted facility or activity at reasonable times for the purpose of inspection and testing to determine compliance with the permit and the Department rules.
12. The permittee agrees to maintain any permitted facility, or activity in good condition and in accordance with the plans submitted to the Department under Rule 62-4.530(1).

62-25.035 Stormwater General Permits

1. This general permit shall not expire and shall not be subject to Section 62-4.540(13) unless suspended or revoked in accordance with Section 62-4.530(5).

SPECIFIC AUTHORITY 403.814(1), F.S. LAW IMPLEMENT 253.123, 253.124, 403.061.



Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

District Three
1074 Highway 90
Chipley, Fl. 32428

STEPHANIE C. KOPELOUSOS
SECRETARY

Environmental Management Office
850-415-9709

September 23, 2008

Mr. Duncan Cairns
Northwest Florida Water Management District
81 Water Management Drive
Havana, FL 32333-9700

RE: Permit Package
SR 10 (US 90) Perdido River Bridge Replacement
Financial Project Number 4111181
Escambia County

Dear Mr. Cairns:

Attached is your copy of the permit package for the above listed project.

If you have any questions or need further information, please call me at the above number.

Sincerely,

A handwritten signature in cursive script that reads "Rita Gilbert".

Rita Gilbert
Environmental Permits Specialist

:rg
Attachments

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
PERMIT TRANSMITTAL MEMORANDUM

FORM 650-040-01
 ENVIRONMENTAL MANAGEMENT
 09/94

DATE: 9-22-08

TO: DISTRICT CONSTRUCTION ENGINEER

FROM: Joy S. Siddens
 District Permit Coordinator

PERMITS ATTACHED FOR:

State Project No.: 411181
 Work Program Item No.: _____
 Federal Aid No.: _____
 County: Escambia
 Description: SR 10 (us 90) Perdido River Bridge Replacement

THE FOLLOWING PERMITS ARE REQUIRED FOR THIS PROJECT: DEP ;
 USA COE ; FDER ; USCG ;
 USEPA/NPDES ; WMD ; DNR ;
 LOCAL ; _____ ; _____ .

The valid permits are attached. Please note the "particular and specific conditions" and the expiration dates. Construction Engineer: Please comply with all permit conditions. Please provide me with copies of all permitted work started and permitted work completed notices you send to regulatory agencies. Please notify me six (6) months before the permit expiration date if it will occur prior to completion of the permitted work.

TOTAL STATUS OF PERMITS: CLEAR PENDING MODIFIED EXTENDED
 Remarks: _____

For each permit, indicate below AGENCY and permit TYPE (NW, GP, IND, etc.):

EPA/NPDES Permit No. _____; Type: _____; Expiration Date: _____
 Permit Pending Permit in hand NOI for GP submitted - Date: _____
 Remarks: _____

FOEP Permit No. 17-0281915-001-DF; Type: URP; Expiration Date: 5-7-2013
 Permit Pending Permit in hand
 Remarks: _____

FOEP Permit No. 17-0281915-002-RG; Type: SLW; Expiration Date: N/A
 Permit Pending Permit in hand
 Remarks: _____

COE Permit No. SAG-2007-5634 (IP-AW?); Type: IP; Expiration Date: 8-29-2013
 Permit Pending Permit in hand
 Remarks: _____

Permit No. _____; Type: _____; Expiration Date: _____
 Permit Pending Permit in hand
 Remarks: _____

CC: DISTRICT OFFICE NO. III

CENTRAL OFFICE

- | | |
|---|---|
| <input type="checkbox"/> District Drainage Engineer | <input type="checkbox"/> MS 7: Federal Aid Office (copy of memo only) |
| <input type="checkbox"/> District Central File | <input type="checkbox"/> MS 37: Administrator, Environmental Program Compliance |
| <input type="checkbox"/> District Design Engineer | <input type="checkbox"/> MS 35: Production Mgmt (copy of memo only) |
| <input checked="" type="checkbox"/> District Project Manager <u>Bill Howell</u>
(Legible permit in contract file) | <input type="checkbox"/> FHWA (by separate letter) |
| <input type="checkbox"/> District Maintenance Engineer | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> District Production Mgmt (copy this memo only) | |
| <input type="checkbox"/> District ROW - State Lands Acq. | |
| <input checked="" type="checkbox"/> Other <u>Bill Evans - Tracy Boutwell (enr)</u>
<u>Menobert - Duncan Cairns</u> | |